OM protein - protein search, using sw model

March 23, 2006, 16:44:52; Search time 38 Seconds (without alignments) 45.576 Million cell updates/sec Run on:

US-09-830-972A-2_COPY_623_640 99 1 SYDSIKLEPENPPPYEEA 18 Title: Perfect score: Sequence:

Scoring table: BLOSUM62 Gapop 10.0 , Gapext 0.5

283416 Total number of hits satisfying chosen parameters: 283416 seqs, 96216763 residues Searched:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

PIR 80:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		Description	hypothetical prote	nitrate-binding pr	rubber particle cy	bicarbonate transp	hypothetical prote		rRNA (adenine-N6, N	zinc finger protei	hypothetical prote		activator of Hsp70	peroxisome prolife	hypothetical prote	protein B0413.7 [i	spore cortex-lytic	hypothetical prote	peroxisome prolife	peroxisome prolife	peroxisome prolife	hypothetical prote	hypothetical prote	yeast pheromone re	hypothetical prote	glycerol-3-phospha	radial spoke prote	peroxisome prolife	peroxisome prolife	histamine H1 recep	peroxisome prolife
COLUMNICO		QI	T33152	S58738	A56377	AF2165	T25568	T40240	T43249	ZNXFLC	F75084	T51996	T41531	PC4290	T18755	F89418	G83853	T49887	JC4264	JC4859	A54101	T21816	T20140	T00986	T29121	G83784	A44498	JE0279 .	C42214	JC2495	JE0280
		8	7	~	0	~	~	~	N	-	N	~	N	N	۲۹	N	N	~	~	~	~	~	~	N	7	~	7	N	N	N	N
		Match Length	2957	442	473	458	1398	307	315	90	257	591	591	141	156	156	330	340	475	505	505	539	1113	317	400	459	465	475	477	487	504
d	Query	Match	51.5	50.5	50.5	49.5	49.5	49.0	49.0	48.5	47.5	47.5	47.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
		Score	51	20	20	49	49	48.5	48.5	48	47	47	47	46	46	46	46	46	46	46	46	46	46	45	45	45	45	45	45	45	45
	Result	No.	7	63	٣	4	S	y	7	80	ტ	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	59

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	peroxisome prolife	stringent starvati	hypothetical prote	ubiquitin-protein	hypothetical prote	interferon-regulat	nitrate transport	hypothetical prote	protein T12A7.2 [i	hypothetical prote	interferon-regulat	hypothetical prote	female sterile hom	DNA topolsomerase	Fl protein - avian	adenylylsulfate 3-	
	JC5777	C82748	T22209	836769	T02463	A30819	S77389	T24856	G88846	T00853	A31203	T15073	A56619	S44861	VFIHB1	F75097	
	N	N	N	7	7	N	~	N	N	~	7	~	~	~	Н	7	
	505	211	194	250	413	423	446	483	520	613	631	661	754	2434	3951	174	
	45.5	44.9	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	43.9	
	45	44.5	44	44	44	44	44	44	44	44	44	44	44	44	44	43.5	
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	

ALIGNMENTS

RESULT 1		
hypothetical protein T04D1.4 - Caenorhabditis elegans	٠.	
C;Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 09-Jul-2004	Jul-2004	
C;Accession: T33152 D:Davideon G : Wohldmann D	*	
submitted to the EMBL Data Library, May 1998		
A; Description: The sequence of C. elegans cosmid T04D1.		2
A:Accession: T33152		
A; Status: preliminary; translated from GB/EMBL/DDBJ		. 4
A; Molecule type: DNA	1	
A; Residues: 1-2957 < DAV>	:	
A, Cross-references: UNIPROT:061845; UNIPARC:UPI000007A573; EMBL:AF067617; PIDN:AAC17559.1	57617; PI	DN:AAC17559.1
A; Experimental source: strain Bristol N2; clone T04D1		
C;Genetics:	. "	
A; Gene: CESP: T04D1.4	· :	
A; Map position: 1		•.
A;Introns: 122/3; 293/3; 515/3; 1205/2; 1577/1; 2221/3; 2776/1; 2864/3	1/3	÷
Query Match 51.5%; Score 51; DB 2; Length 2957;		ę.,
Best Local Similarity 53.8%; Pred. No. 64;		
Matches 7; Conservative 4; Mismatches 2; Indels 0;	0; Сарв	'0

:|:||| | ||:: 464 VKMEPEKPSPYQQ 476 5 IKLEPENPPPYEE 17 ઠે 셤

nitrate-binding protein nrtA precursor, periplasmic [similarity] - Phormidium laminosum c; Species: Phormidium laminosum c; Species: Phormidium laminosum c; Species: Phormidium laminosum c; Species: 10-Apr-1996 #sequence_revision 19-Apr-1996 #text_change 09-Jul-2004 C; Accession: S58738; S56641; S62124 R; Merchan, F; Kindle, K.L.; Llama, M.J.; Serra, J.L.; Fernandez, E. R; Merchan, F.; Kindle, K.L.; Llama, M.J.; Serra, J.L.; Fernandez, E. Plant Mol. Biol. 28, 759-766, 1995 A; Title: Cloning and sequencing of the nitrate transport system from the thermophilic, ficus sp. PCC 7942.

A; Reference number: S58738; MUID:95375238; PMID:7647306
A; Recession: S58738
A; Molecule type: DNA
A; Residues: 1-442 cMER>
A; Residues: 1-4442 cMER>
A; Residues: 1-4444 cMER>
A; Residues: 1-4444 cMER>
A; Res

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hypothetical protein C24G7.5 - Caenorhabditis elegans
C,Species: Gaenorhabditis elegans
C,Species: Gaenorhabditis elegans
C,Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 15-Oct-1999
C,Accession: T25568
R,Goala, D: Wilson, Wilson, Wilson, Wilson, Wilson, Wilson, Wilson, Wilson, Mynescription: The sequence of C. elegans cosmid C24G7.
A,Description: The sequence of C. elegans cosmid C24G7.
A,Accession: T25568
A,Accession: T25568
A,Accession: T25568
A,Residues: 11399 GGDS
A,Residues: 11399 GGDS
A,Residues: 11399 GGDS
A,Residues: 11399 GGDS
A,Residues: 1139 GGDS
A,Residues: 1139 GGDS
A,Residues: 1139 GGDS
C,Genetices: UNIPARC:UDIO00007AAB2; EMBL:UB8310; PIDN:AAB42336.1; GSPDB:GN00019; C,Genetices:
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Cispecies: Schizosaccharomyces pombe
Cispecies: Togodo
R.Bocrawi, K., T. Beck, A.; Reinhardt, R.; McDougall, R.C.; Rajandream, M.A.; Barrell, B.G.
R.Bocrawi, T. Beck, A.; Reinhardt, Cotcober 1999
A.; Reference number: 221916
A.; Reference number: 221916
A.; Reference number: 221916
A.; Reference number: 2008>
A.; Residues: Probliminary; translated from GB/EMBL/DDBJ
A.; Residues: 1-307 - 6008>
A.; Residues: SpbB:SPBC336.02
A.; Genetics:
A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A.Gene: CESP:C24G7.5
A.Map position: 1
A.Introns: 13/2; 132/2; 220/3; 316/2; 357/1; 491/3; 558/3; 734/3; 842/1; 1103/3; 1213/2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 43.8%; Pred. No. 54;
Matches 7; Conservative 5; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
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50.0%; Pred. No. 11;
tive 5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              263 YDYLRIQPKKPPPTVE 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :::||:||| :||
201 VRIEPKNPPPPLAFEE 216
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Best Local Similarity 50.0%
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 7
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Bicarbonate transport bicarbonate-binding protein cmpA [imported] - Nostoc sp. (strain F bicarbonate transport bicarbonate-binding protein cmpA [imported] - Nostoc sp. (strain F C 7120
G.Species: Nostoc sp. strain PCC 7120
A;Note: Nostoc sp. strain PCC 7120
G.Date: 14-Doc-2001 #sequence_revision 14-Doc-2001 #text_change 09-Jul-2004
G.Accession: AP2165
R;Kanneko, T.: Nakamura, Y.; Wolk, C.P.; Kuritz, T.; Sasamoto, S.; Watanabe, A.; Iriguchi Nakazaki, N.; Shimpo S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Yasuda, M.; Tabata, S DNA Res. 8, 205-213, 2001
A;Ritle: Complete Genomic Sequence of the Filamentous Nitrogen-fixing Cyanobacterium Ans A;Reference number: AB1807; MUID:2159285; PMID:11759840
A;Status: preliminary
A;Status: DNA
A;Status: DNA
A;Residues: 1-458 «KUR»
A;Residues: 1-458 «KUR»
A;Cross-references: UNIPROT:08Y749; UNIPARC:UPI00000CESBE; GB:BA000019; PIDN:BAB74576.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Residues: 1-67,'A',69-442 <MEW>
A;Crose-references: UNIPARC:UPI000017CAF6; EMBL:219598
A;Note: the nucleotide sequence was submitted to the EMBL Data Library, January 1993
C;Genetics:
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C;Species: Parthbnium argentatum (guayule)
C;Date: 21-Jul-1995 #sequence_revision 03-Aug-1995 #text_change 09-Jul-2004
C;Accession: A56377
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 50.5%; Score 50; DB 2; Length 442; Best Local Similarity 47.1%; Pred. No. 10; Matches 8; Conservative 3; Mismatches 6; Indels
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49.5%; Score 49; DB 2; Length 458;
Best Local Similarity 50.0%; Pred. No. 15;
Matches 7; Conservative 3; Mismatches 4; Indels
                                                                                                                                                           A.Note: the nucreary of the state of the control of
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Matches
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hypothetical protein stilt - fission yeast (Schizosaccharomyces pombe)
C.Species: Schizosaccharomyces pombe
C.Species: Schizosaccharomyces pombe
C.Species: Schizosaccharomyces pombe
C.Sacesion: T51996
R.Yamashita, Y.; Nakseko, Y.; Samejima, I.; Kumada, K.; Yamada, H.; Yanagida, M.
Nature 344, 276-279, 1996
A.Fitle: 208 cyclosome complex formation and proteolytic activity inhibited by the cAMP/I
A.Reference number: Z2896
A.Fitle: 208 cyclosome complex formation and proteolytic activity inhibited by the cAMP/I
A.Rocession: T51996
A.Rocession: T51996
A.Rocession: T51996
A.Rocession: 1591 cYAM
A.Rosidues: 1-591 cYAM
A.Rosidues: 1-591 cYAM
A.Rosidues: UNIPROT:Q9USIS; UNIPARC:UPI00001688E4; EMBL:D85197; PIDN:BAA22619.1
A.Gonetics:
A.Gonetics:
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A,Stetus: pre-liminary; translated from GB/EMBL/DDBJ
A,Stetus: pre-liminary; translated from GB/EMBL/DDBJ
A,Molecule type: DNA
A,Molecule type: DNA
A,Molecule type: UNIPROT: 09USI5; UNIPARC: UPI00001360FA; EMBL: AL049498; PIDN: CAB39910.1
A,Experimental source: strain 972h-; cosmid c645
C,Genetics:
A,Baperimental source: strain 3.2h-; A,Raperimental source: strain 972h-; Cosmid c645
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NyAlternate names: peroxisome proferator activated receptor gamma 1
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens
C;Accession: PC4250
C;Accession: PC4250
B;Ochem Biochys: Res. Commun. 233, 320-324, 1997
A;Title: Differential expression of PPAR gamma 1 and gamma 2 isoforms in human adipose ti
A;Reference number: PC4250; MUID:97289627; PMID:9144532
A;Accession: PC4250
A;Accession: PC4250
A;Accession: PC4250
A;Accession: A;Accession of A;Accession and A;Accession a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7; Indels 0; Gaps 0;
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               227 FNSYKLEPKNPVP 239
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C; Species: Pyrococcus abyssi
C; Species: Pyrococcus abyssi
C; Date: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004
C; Accession: F75084
S; Anonymous, Genoscope
Submitted to the EMEL Data Library, July 1999
A; Description: Pyrococcus abyssi genome sequence: insights into archaeal chromosome stru
A; Reference number: A75001
A; Recession: F75084
A; Status: Preliminary
A; Recession: F75084
C; Genetics: I-257 «KAW»
A; Residues: I-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Zinc finger protein - lymphocytic choriomeningitis virus (strain Armstrong 53b)
Cispecies: lymphocytic choriomeningitis virus
Cibace: 31-Dec-1990 #sequence_revision 31-Dec-1990 #text_change 31-Dec-2004
Cibacesion: A32592
Risalvato, M.S.; Shimomaye, E.M.
A;Title: The completed sequence of lymphocytic choriomeningitis virus reveals a unique FA;Reference number: A32592, MUID:90051057; PMID:2510401
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A;Residuce; 1-90 65ML-
A;Cross-references: UNIPROT:P18541; UNIPARC:UP1000013C42E; GB:M27693; NID:g331385; PIDN:
C;Comment: This protein may act as an RNA-binding protein.
A;Residues: 1-315 <HOU>
A;Cross-references: UNIPARC:UP10000169141; EMEL:Z68293; PIDN:CAA92585.1
C;Genetics:
A;Note: DIM:
C;Function:
A;Note: DiM:
C;Function:
G;Punction:
C;Superfamily: dimethylation of two adjacent adenosines from the 3' end of the 18SrRNA
C;Superfamily: dimethylataenosine transferase (rRNA adenosine dimethyltransferase)
C;Keywords: methyltransferase
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49.0%; Score 48.5; DB 2; Length 315;
Best Local Similarity 50.0%; Pred. No. 12;
Matches 8; Conservative 5; Mismatches 0; Indels
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C;Superfamily: Pyrococcus abyssi hypothetical protein PAB1661
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C;Superfamily: zinc finger protein, Arenaviridae type
C;Keywords: RNA binding; zinc finger
F;32-54/Region: zinc finger CCCC motif
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78 ISTAPSSPPPYEE 90
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2 YDSIKLEPENPPP 14

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C;Species: Bacillus halodurans
C;Date: 01-Dec-2000 #sequence_revision 01-Dec-2000 #text_change 09-Jul-2004
C;Date: 01-Dec-2000 #sequence_revision 01-Dec-2000 #text_change 09-Jul-2004
C;Accession: G83853
B;Takani, H.; Makasone, K.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fuji, F.; Hiran R;Takani, H.; Makasone, R.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fuji, F.; Hiran Nucleic Acids Res. 28, 4317-4331, 2000
A;Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and cincernate mumber: A8350; MUID:20512582; PMID:11058132
A;Accession: G83853
A;Accession: G83853
A;Accession: G83853
A;Accession: DNA
A;Residues: 1-330 <STO>
A;Accession: GB:Accession: GB:Accession: GB:Accession: GB:Accession: GB:Accession: GB:Accession: GB:Caccession: GB:Cacce
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46.5%; Score 46; DB 2; Length 330;
Best Local Similarity 80.0%; Pred. No. 29;
Matches 8; Conservative 0; Mismatches 2; Indels
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C.Species: Caenorhabditis
C.Species: Caenorhabdit
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R;Basham, V.
R;Basham, V.
R;Basham, V.
A;Reference number: Z19016
A;Accession: T18755
A;Bcatus: pxellminary; translated from GB/EWBL/DDBJ
A;Moccession: T18755
A;Bcatus: pxellminary; translated from GB/EWBL/DDBJ
A;Rocession: T18755
A;Residues: Dxellminary; translated from GB/EWBL/DDBJ
A;Rocession: U156 < WIL>
A;Residues: U156 < WIL>
A;Cross-references: UNIPROT:Q9XTZ7; UNIPARC:UP10000078CEC; EMBL:Z92824; PIDN:CAB07310.1;
C;Generics:
A;Gene: CESP:B0413.7
A;Introns: 86/1; 123/1; 149/1
                                                                        A;Cross-references: UNIPARC:UP100017A1C6; DDBJ:D83136
A;Experimental source: fat
C;Comment: This protein is a nuclear receptor, and plays roles in adipogenesis, adipocyt
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Cispecies: Caenorhabditis elegans
Cispecies: Caenorhabditis elegans
Cipate: 15-0ct-1999 #sequence_revision 15-0ct-1999 #text_change 09-Jul-2004
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46.5%; Score 46; DB 2; Length 156;
Best Local Similarity 63.6%; Pred. No. 12;
Matches 7; Conservative 2; Mismatches 2; Indels
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46.5%; Score 46; DB 2; Length 156;
Best Local Similarity 63.6%; Pred. No. 12;
Matches 7; Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                          Query Match
46.5%; Score 46; DB 2; Length 141;
Best Local Similarity 57.1%; Pred. No. 11;
Matches 8; Conservative 3; Mismatches 3; Indels
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105 AIKVEPASPPYYSE 118
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102 AINFDPENPPP 112
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A;Map position: 5
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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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OM protein - protein search, using sw model

March 23, 2006, 16:41:37 ; Search time 229 Seconds (without alignments) 55.456 Million cell updates/sec Run on:

US-09-830-972A-2_COPY_623_640 99 1 SYDSIKLEPENPPPYEEA 18 Title: Perfect score: Sequence:

Scoring table: BLOSUM62 Gapext 0.5

2166443 seqs, 705528306 residues Searched:

2166443 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

UniProt_05.80:*
1: uniprot_sprot:*
2: uniprot_trembl:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	11 rattus norv	95 mus musculu	90 mus musculu	o7 mus musculu	EUB 1	n9 mus musculu	ge mus musculu	k9 mus musculu	homo	homo	homo	homo	BUB E				gallus		dicent	v9 xenopus lae	v2 xenopus lae	v7 xenopus lae	s0 xenopus lae	v0 xenopus lae	v8 xenopus lae	vl xenopus lae	58 oncorhynchu	tetraodo			45 caenorhabdi
	Desc	Q9 jk11	Q80w95	Q8 k290	07tnb7	Q8bgk7	Q8bgm9	08k3g8	Q5dtk9	Q53rf4	Q8iua4	Q9nqc3	Q717q8	06ig16	Q9pw01	Q7t029	Q9w712	06 rss8	Q5maj0	Q56tn5	Q6jrv9	06jr	06 jr	Q5jbs0	06jrv0	06jrv8	26jrv1	Q60fb8	04rx3	Q63zd9	Q743y7	0618
SUMMARIES	αI	RTN4 RAT	Q80W95 MOUSE	Q8K290 MOUSE	Q7TNB7 MOUSE	Q8BGK7 MOUSE	Q8BGM9 MOUSE		QSDTK9 MOUSE	Q53RF4 HUMAN	Q8IUA4 HUMAN	RIN4 HUMAN	Q7L7Q8 HUMAN	Q61G16_PIG	Q9PW01_PLEPL	Q7T029_PLEPL	Q9W712_PLAFE	Q6RSS8 CHICK	QSMAJO_CHICK	Q56TN5_DICLA	Q6JRV9_XENLA					Q6JRV8_XENLA	Q6JRV1 XENLA	Q60FB8 ONCMY		Q632Q9 XENLA	Q743Y7_MYCPA	O61845_CAEEL
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de	Query Match	100.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	85.9	85.9	85.9	85.9	84.8	59.6	59.6	59.6	58.6	58.6			9.99	56.6	9.99	9.95	56.6	56.6	54.5			•	51.5
	Score	66	95	95	95	95	95	95	95	85	82	85	85	84	59	53	59	28	28	57	99	26	26	26	26	26	26	54	54	54	51	21
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Q61r12 photobacter S5mg Cryptococcu O5km23 cryptococcu O5km23 cryptococcu Q6cev6 yarrowia 11 Q51800 phormidium Q40778 parthenium Q40778 parthenium Q6m279 drosophila O5ry56 trypanosoma Q61eh4 caenorhabdii Q5111 thermus the Q721£1 thermus the Q724£1 thermus the Q744§3 staphylococ Q41y9 coryrabacte		o protein) (Foocen) rata, Buteleostomi; Rodentia, Sciurognathi;	THEIN SEQUENCE. 10167-4889 (99) 00033-6; 11enhard G.E.; 1n from rat adipocytes: 1500219; 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	ily in rat: one of two databases. /417547a; axonal regeneration."; or which may also help ral system in adults (By il-x1 and Bcl-2 (By cotein. Anchored to the hugh 2 putative
2 QGLR12 PHOPR 2 QSERPB_CRYNB 2 QSERPB_CRYNB 2 QGEWG_TARLI 2 QSTRB3_CRYNB 2 QGEWG_TARLI 2 C14AZ PARAR 2 QSW379 DROME 2 QSTV56_9TRYP 2 QGLBH4_CARBR 2 QSTV56_9TRYP 2 QGLRH4_CARBR 2 QSTV1_THETS 2 QSLLT_THETS 2 QSLLT_THETS 3 QSLLT_THETS 4 QSLLT_THETS 4 QSLLT_THETS 4 QSLLT_THETS 5 QSLLT_THETS 6 QSLLT_THETS 6 QSLLT_THETS 7 QSLLT	ALIGNMENTS	PRT; 1163 AA.; gowuro; community (); Oswuro; cotation update) cotation update); inhibitor) (Nogo: craniata; Vertebra guires; Glires; Rottus.	ND PARTIAL PROT OCYLE: LODI=10, 1016/SG DOI=10, 1016/SG 12 kDa protein 122 kDa protein 1999). AND 3). AND 3). DOI=10,1038/35 DOI=10,1038/35 M.B.; Frank M.B.; rite outgrowth	% 2 AND 4). % ascular smooth mureticulon gene fam reticulon gene fam sMBL/GenBank/DDBJ 17567, DOI=10.1038 tter S.M.; Peptide promotes outgrowth inhibit f the nervous cent Interacts with Bo tegral membrane pr mic reticulum thro y similarity). ng; Named isoforms
35 6 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		AEAAA AAA	(IS ey; bbMe -A.; ceri ret ret cta (IS bb, bb, bb, bb, bb, bb, bb, bb, bb, bb	WUCLEOTIDE SEQUENCE (ISOFORMS STEARINWHISTER KYOLD, TISSUBE-VY ILO T., Schwartz S.M.; "Clonling of a member of the rr minor splice variants."; bubmitted (FEB-1999) to the ER SUDMITTED (FEB-1999) to the ER FUNCTION. WEDLINE=22034591; PubMed=1203 GyrandPre T., Li S., Strittmati "NOGO-66 receptor antagonist in Nature 417:747-551202).
CO		STANDA STANDA 33 (Rel. 41, 33 (Rel. 47, 55 (Rel. 47, 55 (Rel. 47, 55 (Rel. 47, 55 (Rel. 47, 56 (Rel. 47, 57 (IDE SEQUENCE Sprague-Dawl 199249816; p N.J., ROSS S N.J., ROSS S And Characc ember of the Biophys. A IDE SEQUENCE 1012928 A S., Huber A. M. A.A., Chr mn A.A., Chr for monoclo.	Hawateza Kyoto; 17. Schwartz S.M.; 17. S.M.; 17. Schwartz S.M.; 17. Sc
W W W W W W W W & 4 4 4 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0		RAT 11, 09, 8B-2005 8B-2006 8Y-2006 AY-2006 AY-2006 18 norv Cyota; 18 norv 18 norv	DE BIS THE BEST OF STREET	NUCLEOTIDE SEQUENCE STRAIN-WISTATE S. M. ILO T., Schwartz S. M. ILO T. M.
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		RESU AC AC DT DT DT DT DE DE OC OC OC	R R R R R R R R R R R R R R R R R R R	CCCCCCCCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG

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01-UNN-2003 (TrEMBLrel. 24, Created)
01-UNN-2003 (TrEMBLrel. 24, Last sequence update)
01-UNN-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
NOGO-A (Fragment).
Nogo-A, (Fragment).
Nome-Rthy, Synonyme-NOGO-A;
Num musculus (Mouse).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Muxidae; Muxinae; Buarchontoglires; Glires; Rodentia; Sciurognathi;
Nuridae; Muxinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                          (1]—
WUCLEOTIDE SEQUENCE.

NUCLEOTIDE SEQUENCE.

LOZAKI H., HIRATA T.;

ROZI GOTO 10013015; RUP.

ROZI GOTO 10013015; C:cell grows, IDA.

ROZI GOTO 10013015; C:cell sows, IDA.

ROZI GOTO 10013015; P:protein binding, IPI.

ROZI GOTO 10013015; P:protein binding, IPI.

ROZI GOTO 10013019; P:neurogenesis; IDA.

ROZI GOTO 10013019; R:neurogenesis; IDA.

R TREFFECT, IRRODIASB8, Reticulon.

R Ffam: PF02451; Reticulon; 1.

R PROSITE; PS500455; RETICULON; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   / Match 96.0%; Score 95; DB 2; Length 578; Local Similarity 94.4%; Pred. No. 2.5e-05; he 17; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE 578 AA; 63696 MW; 832670C171E4AC61 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 SYDSIKLEPENPPPYEEA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       40 SYDGIKLEPENPPPYEEA 57
Rtn4 protein.
Name=Rtn4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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Q8K290 MOUSE
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not removed.
               Name=1; Synonyms=Nogo-A, NI-220-250;

Isoid=09UXI1-1; Sequence=Displayed;
Name=2; Synonyms=Nogo-B, Foocen-Mi.

Isoid=09UXI1-2; Sequence=VSP_005658;
Name=3; Synonyms=Nogo-C, VP20;

Isoid=09UXI1-3; Sequence=VSP_005656; VSP_005657;

Isoid=09UXI1-4; Sequence=VSP_005659;

Isoid=09UXI1-4; Sequence=VSP_0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; AP051335; AAF01564.1; -; mRNA.

EMBL; AA242961; CAB71027.1; -; mRNA.

EMBL; AA242962; CAB71028.1; -; mRNA.

EMBL; AA242962; CAB71029.1; -; mRNA.

EMBL; AA7242963; CAB71029.1; -; mRNA.

EMBL; AF122046; AAD31019.1; -; mRNA.

EMBL; AF122046; AAD31019.1; -; mRNA.

EMBL; AF122046; AAD31009.1; -; mRNA.

EMBL; AF122046; AAD31000.1; -; mRNA.

EMBL; AA720015 C.integral to endoplasmic reticulum membrane; IDA.

CO; CO:0016021; C:integral to membrane; ISS.

CO; CO:0016515; C:integral to membrane; ISS.

CO; CO:0005515; F:protein binding; ISS.

CO; CO:0005515; F:protein binding; ISS.

CO; CO:0005515; R:protein binding; ISS.

CO; CO:000515; R:protein binding; ISS.

CO; CO:000515; Reticulon.

EMPLEMEN: PF03453; Reticulon.

PROSITE; PS50845; RETICULON; 1.

R PROSITE; PS50845; RETICULON; 1.

R PROSITE; PS50845; RETICULON; Transmembrane.

T TRANSMEM 99 1010 Potential.

T TRANSMEM 99 1010 Potential.

T TRANSMEM 105 1125 Potential.

T TRANSMEM 105 1125 Cytoplasmic (Potential).

T TRANSMEM 1105 1163 Reticulon.

T TRANSMEM 1105 1163 Reticulon.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /Frida-VSP 005657.
1130 1131 Missing (In Ref. 3; AAD31020)
1163 AA; 126388 MW; 8CB894B09E94F0B6 CRC64;
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Missing (in isoform 2).
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/FTId=VSP_005658.
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Poly-Ala.
Poly-Pro.
Missing (i
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NEELINEACESTORS

NOTE TAXALETORY

NUCLECOTION SEQUENCE.

STRAIN=FVB/N; TISSUE=Mammary tumor. C3;

NUCLECOTION SEQUENCE.

STRAIN=FVB/N; TISSUE=Mammary tumor. C3;

STRAIN=FVB/N; TISSUE=Mammary tumor. C3;

STRAIN=FVB/N; TISSUE=Mammary tumor. C3;

AN EDIINE-22388257; PubMed=1247932; DOI=10.1073/pnas.242603899;

AN ESTAIN-FVB/N; TISSUE-MAMMARY CAN, Schmaefer C.R., Schuler G.D.,

AN Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

AN Altschul S.F., Jordan H., Moore T., Mans S.I., Mang J., Heiseh F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Roptins R.F., Jordan H.B., Bonnaldo M.F., Casavant T.L., Scheetz T.E.,

Ropateron M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Romatean M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Romatean M.J., McEwan P.J., McKernan K.J., Abramon R.D., Mullahy S.J.,

Bosak S.M., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Morley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Rah E.J., Mandan A., Young A.C., Shevenhenko Y., Boulfard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Rah Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
                                                                                                                                                           Mus musculus (Mouse).

Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Mammalia; Butheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;

Muridae; Murinae; Mus.
                                                 01-0CT-2002 (TrEMBirel. 22, Created)
01-0CT-2002 (TrEMBirel. 22, Last sequence update)
01-0CT-2004 (TrEMBirel. 36, Last annotation update)
   PRT; 639 AA.
QBK290_MOUSE PRELIMINARY;
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RESULT

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Matches
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STEALNI-C57B/6, TISSIE=Erain;
STEALNI-C57B/6, TISSIE=Erain;
STEALNI-C57B/6, TISSIE=Erain;
MEDLINE=22388257; Pubmed=12477932; DOI=10.1073/pnas.242603899;
REDLINE=22388257; Pubmed=12477932; DOI=10.1073/pnas.242603899;
RETAINSER R.L., Colling F.S., Wagner L., Shemmen C.M., Schuler G.D.,
Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Diacchenko L., Marushan K., Farmer A.A., Rubin G.M., Hong L.,
Blackenko L., Marushan K., Farmer A.A., Rubin G.M., Hong L.,
Blackenko L., Marushan K., Farmer A.A., Stubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Brownstein M.J. Usdin T.B., Tobhiyuki S., Carninci P., Mullahy S.J.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Boask S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
Nillalon D.K., Muzny D.M., Sodergren E.J., Lu X., Glabbs R.A.,
Whitling M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Butterfield Y.S.N., Krzywinski M., Marra M.A.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Rodriguez A.C., Shevchan M., Narra M.A.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Rodriguez A.C., Grimwood J., Schmutz 
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Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein.
Mame=RLul, (Mouse).
Mus musculus (Mouse).
Rukaryota: Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Muxidae; Muxinae, Mus.
Muxidae; Muxinae, Mus.
11 TaxID=10090;
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STRAIN-EVEN, TISSUE-Mammary tumor. C3;
Strain-EVEN, TISSUE-MAMMAR. C3;
STRAIN-EVEN, TISSUE-MAMMAR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           . Match 96.0%; Score 95; DB 2; Length 639; Local Similarity 94.4%; Pred. No. 2.8e-05; les 17; Conservative 0; Mismatches 1; Indels
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roc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                        and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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STRAIN=C57BL/6; TISSUE=Brain;
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Q7TNB7;
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Q7TNB7_MOUSE
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Matches
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TRAIN=129/8vc77, and 1298vc77, bol=10.1016/S0022-2836(02)01179-8; bubMed=124848097, bol=10.1016/S0022-2836(02)01179-8; belone C., van der Putten H., Schwab M.E.; Genomic structure and functional characterisation of the promoters of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
10-MAR-2003 (TrEMBLrel. 23, Last sequence update)
10-MAR-2005 (TrEMBLrel. 30, Last annotation update)
NAME-STRIA; ORFNAmes=RP23-17605.4-008;
Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Musmalia; Butheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;
Muridae; Murinae; Mus.
11]
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A Strausberg R.;
L Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; BCO56373; AAHS6573.1; -; mRNA.
R MGI; MGI:1915935; Rtn4.
R GO; GO:0042925; C:cell projection; IDA.
R GO; GO:00525; C:cell soma; IDA.
R GO; GO:000515; P:protein binding; IPI.
R GO; GO:0005515; P:protein binding; IPI.
R GO; GO:0001525; P:neurogenesis; IMP.
R GO; GO:0007399; P:neurogenesis; IDA.
H Hypothetical protein.
R Hypothetical protein.
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KAY M.;

L. Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.

E. Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.

E. Submitted (FEB-2006) AAM73502.1; -; mRNA.

E. SHEL; AX102286; AAM73507.1; -; Genomic_DNA.

E. Shall; ENSWIGSGO000020458; Mus musculus.

R. MGI, MGI.1915835; RELA.

R. GO; GO:0042295; C:cell projection; IDA.

R. GO; GO:0005783; C:cell projection; IDA.

R. GO; GO:0005783; C:endoplasmic reticulum; IDA.

R. GO; GO:0005783; P:protein binding; IPI.

R. GO; GO:0001255; P:neurogenesis; IMA.

R. GO; GO:0001255; P:neurogenesis; IDA.

R. InterPro; IRRN03388; Reticulon;

R. InterPro; IRRN03388; Reticulon;

R. Femm: PRO2453: Reticulon;
                                                                                                                                                                                                                                                                                                                                                                                        96.0%; Score 95; DB 2; Length 720; 94.4%; Pred. No. 3.2e-05; ive 0; Mismatches 1; Indels
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NUCLEOTIDE SEQUENCE.
STRAIN=129/SvcJ7;
STAIN der Putten H.;
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PFan, PP02453; Reticulon; 1.
PROSITE; PS50845; RETICULON; 1.
SEQUENCE 1046 AA; 114221 MW; 8CE2E2238ED51222 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUCLEOTIDE SEQUENCE.
STRAIN=1298vcJ7;
Van der Putten H., Mir A.;
Submitteed (MAY-2002) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         human and mouse nogo/rtn4."; J. Mol. Biol. 325:299-323(2003).
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les 17; Conservative
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Best Local &
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MOUSE
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MOUSE

RESULT 6

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would be complete Notleotide Sequences of Mouse Homologues of KIAA Gene.

"prediction of the Coding Sequences of Mouse KIAA-homologous CDRAs
The Complete Nucleotide Sequences of Mouse KIAA-homologous CDRAs
The Complete Nucleotide Sequences of Mouse KIAA-homologous CDRAs
The Complete Nucleotide Sequences of CDRA Clones Randomly
Sampled from Size-Fractionated Libraries. ";
Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.

EMBL; AKZ20511; BAD90301.1; "RWA.

RMG1; MGI.1918935; Rtm4.

MG1; MGI.1918935; Cicell projection; IDA.

MG2; G0:00043025; Cicell some; IDA.

MG3; G0:000525; P:protein Dinding; IPI.

MG3; G0:0001525; P:angiogenesis; IMP.

MG3; G0:0001525; P:angiogenesis; IMP.

MG3; G0:0001525; Retriculon; IDA.

RMG1; MG1.1PR003388; Reticulon.

RMG2; MG1.1PR003388; Reticulon; I.
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DT 10-MAY-2005 (TrEMBLrel. 30, Last sequence update)
DT 10-MAY-2005 (TrEMBLrel. 30, Last sequence update)
DT 10-MAY-2005 (TrEMBLrel. 30, Last sequence update)
DF MAY-2005 (TrEMBLrel. 30, Last annotation update)
DF MAY-2005 (TrEMBLrel. 30, Last annotation update)
DF MAT-2005 (Trempler)
CM Name anseculas (Moral A4153;
CM Color (Moral A4153)
CM Marmalia; Butheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;
CM Marmalia; Murinae; Mus.

NOB! TaxiD=10090;
UN [1]
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                                                        Created)
Last sequence update)
Last annotation update)
   PRT; 1163 AA.
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GEDTK9 MOUSE

GEDTK9 MOUSE

DE GEDTK9 MOUSE PRELIMINARY;

AC GEDTK9

DT 10-MAY-2005 (TTEMBLICEL 30,

T 10-MAY-2005 (TTEMBLICEL 30,

T 10-MAY-2005 (TTEMBLICEL 30,

DE MITAA4153 protein (Fragment)

CN Mame=Rtn4; Synonyms=mKIAA415

CN Mus musculus (Mouse)

CO Muridae; Mutinae; Mus.

CO Muridae; Mutinae; Mus.

CO Muridae; Mutinae; Mus.

CO Muridae; Mutinae; Mus.

CO MUSI_TAXID=10090;

RN ILSUB-Fetal brain;

RA CRAZAKI N., Kikuno R.F., Charles Cranselle Sequents

RY The Complete Nucleotide Sequents

RY Sampled from Size-Fractionary

RY School 191835; Rrieurogenes

DR GO; GO:0005135; P:protein bir RY CO: GO:0005135; P:protein bir RY CO: GO:0001525; Reticulon; I
QBK3GB MOUSE PRELIMINARY;
QBK3GB;
QBC3CB (TEEMBLrel. 22,
01-CCT-2002 (TEEMBLrel. 22,
01-MAR-2004 (TEEMBLrel. 26,
                                                                                                                                                                                                                                                                                                                                                                          [1]
NUCLEOTIDE SEQUENCE.
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01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
10-MAR-2003 (TrEMBLrel. 30, Last annotation update)
10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
RTM4 (Reticulon 4).
Mane=RLM4, ORR/mans=RP23-17605.4-005;
Mus musculus (Mouse).
Mus musculus (Mouse).
Mus musculus (Mouse).
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Local Similarity 94.4%; Pred. No. 5.5e-05;
les 17; Conservative 0; Mismatches 1; Indels
                                      Query Match
96.0%; Score 95; DB 2; Length 1046;
Best Local Similarity 94.4%; Pred. No. 4.9e-05;
Matches 17; Conservative 0; Mismatches 1; Indels
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van der Putten H.;
Submitted (MAr-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Van der Putten H., Mir A.;
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                 PRT; 1162 AA.
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J. Mol. Biol. 325:299-323(2003).
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                                                                                                                                                                        1 SYDSIKLEPENPPYEEA 18
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NUCLEOTIDE SEQUENCE.
STRAIN=129SvcJ7;
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Query Match Best Local S: Matches 17,

RESULT 7 Q8K3G8_MOUSE

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28-FBB-2003 (Rel. 41, Created)
28-FBB-2003 (Rel. 44), Last sequence update)
13-5BP-2005 (Rel. 46, Last annotation update)
13-5BP-2005 (Rel. 46, Last annotation update)
Reticulon 4 (Neurite outgrowth inhibitor) (Nogo protein) (Foocen)
Reticulon 5 (Neuroendocrine specific protein) (NSP) (Neuroendocrine specific.
protein C homolog) (RTN-x) (Reticulon 5).
Name=RTN4; Synonyms=ASY, KIAA0886, NOGO; ORFNames=My043, SP1507;
Homo saplens (Human).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                      MEDLINE-22376540; PubMed=12488097; DOI=10.1016/S0022-2836(02)01179-8; Oertle T., Huber C., van der Putten H., Schwab M.E.; "Genomic structure and functional characterisation of the promoters of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLECTIDE SEQUENCE (ISOFORMS 1; 2 AND 3).
MEDILINE-20129242; PubMed-10667980; DOI-10.1038/35000287;
PRINIJA R., MOOTE 5.E., VINSON M., Blake S., Morrow R., Christie G. Michalovich D., Simmons D.L., Walsh F.S.;
"Inhibitor of neurite outgrowth in humans.";
Nature 403:333-384 (2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDILINE-21010696; PubMed=11126360; DOI=10.1038/8j.onc.1203948; Tagami S., Eguchi Y., Kinoshita M., Takeda M., Taujimoto Y.; Tanoshita M., Takeda M., Taujimoto Y.; Tanoshita M., Takeda M., Taujimoto Y.; Tanoshita M., Takeda M., Taujimoto Y.; Oncogene Ipotesin, RTN-XS, interacts with both Bcl-XL and Bcl-2 oncogene 19:5736-5746(2000).
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Q9NQG3; Q9H62; Q9H312; Q9H313; Q9UQ42; Q9X293; Q9Y2Y7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Laborated Lab.

A Coettle T., Schwab M.E.;

B Submitted (MAX-2002) to the EMBL/GenBank/DDBJ databases.

R EMBL; AX102346; AAM64244.1; -; Genomic_DNA.

R EMBL; AX102346; AAM64250.1; -; mRNA.

R EMBL; AX123249; AAM64251.1; -; mRNA.

R EMBL; AX123249; AAM64252.1; -; mRNA.

R EMBL; AX123249; AAM64253.1; -; mRNA.

R EMBL; AX123249; AAM64253.1; -; mRNA.

R EMBL; AX123245; AAM64249.1; -; mRNA.

R EMBL; AX123245; AAM64249.1; -; mRNA.

R EMBL; AX123245; AAM64249.1; -; mRNA.

R EMBL; AX123245; RETICULON; 1.

R PFGAN; FROM 5389; Reticulon; 1.

R PROSITE; PROS1645; RETICULON; 1.

C SEQUENCE 986 AA; 108449 MW; OCDE8F647036415A CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Van der Putten H.;
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                                               human and mouse nogo/rtn4.";
J. Mol. Biol. 325:299-323(2003).
[2]
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                                                                               NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE.
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TISSUE=Testis;
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OBIUA4 HUMAN PRELIMINARY; PRT; 986 AA.

OBIUA42003 (TERMELREI. 23, Created)

O1-MAR-2003 (TERMELREI. 29, Last sequence update)

O1-FEB-2005 (TERMELREI. 29, Last annotation update)

NAME-2005 (TERMELREI. 29, Last annotation update)

RNT4 (RTN4 isoform Ab) (RTN4 isoform D) (RTN4 isoform E) (RTN4 isoform C) (RTN4 isoform B) 
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Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
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Kozlowicz A., Wang C.;
"The sequence of Homo sapiens BAC clone RP11-232122.";
Submitted (UUL-2001) to the EMBL/GenBank/DDBJ databases.
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Wilson R.K.;
Whison R.K.;
Whisted (APR-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; AC092461; AAX33116.1; -; Genomic_DNA.
Hypothetical protein.
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Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases
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Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases
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818 AA; 89515 MW; A04F9AD5AFDF6433 CRC64;
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Hypothetical protein RTM4 (Fragment).
                                                                                                                                                      Query Match 96.0%; Score 95; DB 2; Best Local Similarity 94.4%; Pred. No. 6e-05; Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     818 AA.
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PROSITE; PS50845; RETICULON; 1.
                                                                                                                                                                                                                                                                                                                     1 SYDSIKLEPENPPYEEA 18
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Q53RF4;
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SEQUENCE
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Matches
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ò 셤 and mouse cDNA sequences."; ${\tt Proc.\ Natl.\ Acad.\ Sci.\ U.S.A.\ 99:16899-16903(2002)}.$

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NUCLECTIDE SEQUENCE [LARGE SCALE WRNA] (ISOFORMS 2 AND 3).

NUCLECTIDE SEQUENCE [LARGE SCALE WRNA] (ISOFORMS 2 AND 3).

NUCLECTIDE SEQUENCE [LARGE SCALE WRNA] (ISOFORMS 2 AND 3).

TISORE-ERAID, Eye, Ovary, Pancreas, Placenta, and Skeletal muscle;

AMBULINE-2238657; PubMed-12477932, DOI-10107/pns.245603899;

ARIANDE-22862857; PubMed-12477932, DOI-101007/pns.245603899;

Altachul S.F., Zeebeeg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altachul S.F., Jordan H., Moore T., Wang J., Haith R.,

Appkins R.F., Jordan H., Moore T., Wang J., Haith R.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Brapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Mullahy S.J.,

Broak S.S., McGwan P.J., McKernan K.J., Malek J.A., Gunarane P.H.,

Boak S.S., Morley K.C., Hale S., Garcia A.M., Gabibs R.A.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gabibs R.A.,

Pahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Bukesley R.W., Touchman J.W., Green B.D., Dickson M.C.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;

Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;

Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gu J.; "Large-scale CDNA transfection screening for genes related to cancer
                                                                                                                                                                                                                                                                                                                                                                                                        Jin W.-L., Ju G.; "Puregulated alternative splicing in a novel Nogo-A."; "pevelopmentally-regulated alternative splicing in a novel Nogo-A."; Submitted (Nov-2000) to the EMBL/GenBank/DDBJ databases.
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MEDLINE-99186310; PubMed=10048485,

MEDLINE-99186310; PubMed=10048485,

MAYDAINA N., Tanaka M.-1., Suyama M., Kikuno R., Hirosawa M.,

Mayajima N., Tanaka A., Kotani H., Nomura N., Ohara O.;

Prediction of the coding sequences of unidentified human genes. XII

The complete sequences of 100 new cDNA clones from brain which code
for large proteins in vitro.";

DNA Reb. 5:355-364(1998).
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NUCLECTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 3).
NUCLECTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 3).
NUMMCG-15498874; DOI-10.1073/pnas.0404089101;
Nan D., Gong Y., Qin W., Zhang P., Li J., Wel J., Wel O., Jang H., Qian L., Yu Y., Shu H., Chen X., Xu H., Guo M., Pan Z., Chen Y., Ge C., Yang S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Song H., Peng Y., Zhou J., Huang Q., Dai M., Mao Y.M., Yu Y., Xu Luo B., Hu R., Chen J.;
"Human neuroendocrine-specific protein C (NSP) homolog gene.";
submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.
[3]

MEDLINE-20237542; PubMed=10773680;

MEDLINE-20237542; PubMed=10773680;

Yang J., Yu L., Bi A.D., Zhao S.-Y.;

Assistament of the Numan retriculon 4 gene (RTN4) to chromosome 2p14--2p13 by radiation hybrid mapping.";

Cytogenet. Cell Genet. 88:101-102(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                [5]
Worksoring SEQUENCE (ISOFORMS 2 AND 3).
TISSUE-Placenta, and Skeletal muscle;
Ito T., Schwartz S.M.;
incloning of a member of the reticulon gene family in human.";
Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.
[6]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Yutsudo M.;
Tanlation of a cell death-inducing gene.";
"Immitted (UUN-1998) to the EMBL/Genbank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    development and progression.";
Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004).
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TISSUE=Fibroblast;
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PRILIE-21888956; PubMed=11891768; DOI=10.1002/jnr.10134;

MEDLINE-21888956; PubMed=11891768; DOI=10.1002/jnr.10134;

MIG.CEL.L., Tang B.L.;

MIG.CEL.L., Tang B.L.;

MIG.CEL.L., Tangeration.

Tregeneration.

"I. J. Neurosci. Res. 67:559-565(2002).

"I. J. Neurosci. Res. 67:559-565(20
                                                          TISSUE-DEDITIOR SEQUENCE [LARGE SCALE MENNA] (ISOFORM 3).

TISSUE-Debilical cord blood;

TISSUE-Debilical cord blood;

TISSUE-DEBILINE-SCAP9367; PubMed=11042152; DOI=10.1101/gr.140200;

Zhang Q.-H., Ye M., Wu X.-Y., Ren S.-X., Zhao M., Zhao C.-J., Fu G.,

Shen Y., Fan H.-Y., Lu G., Zhong M., Xu X.-F., Han Z.-G., Zhang J.-W.,

Tao J., Huang Q.-H., Zhou J., Hu G.-X., Gu J., Chen S.-J.,

Tao J., Huang Q.-H., Zhou J., Hu G.-X., Gu J., Chen S.-J.,

Tao J., Huang Q.-H., Zhou J., Hu G.-X., Gu J., Chen S.-J.,

To J., Huang Q.-H., Zhou J., Chen S.-J.,

To Directional analysis of cDNAs with open reading frames for any constructional dense sexpressed in CD34+ hematopoletic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUB=Brain;
MEDLINE221069055; PubMed=11201742; DOI=10.1038/35053072;
MEDLINE A.B., GrandPre T., Strittmatter S.M.;
MIGAURISTICATION Of a receptor mediating Nogo-66 inhibition of axonal regeneration.";
MIGHORISTICATION OF A NOGO-66 INHIBITION OF AND NACHUE 409:341-346 (2001).
                                                                                                                                                                                                                                                                                                                                                                                                          [12]
NUCLEOTIDE SEQUENCE [LARGE SCALE MENA] OF 482-1192 (ISOFORMS 1/4).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TISSUE=Brain;

MEDLINE=2019259; PubMed=10667797; DOI=10.1038/35000226;

GrandPre T., Nakamura F., Vartanian T., Strittmatter S.M.;

GrandPre T., Nakamura F., Vartanian T., Strittmatter S.M.;

"Identification of the Nogo inhibitor of axon regeneration as a Reticulon protein...;

Nature 403:439-444(2000).
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CAUTION: Ref.11 sequence differs from that shown due to
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Byanca-Alternative spliting; Named isoforms=4;
Name=1; Synonyms=RTN 4A, Nogo-A, RTN-XL;
Name-2; Synonyms=RTN 4B, Nogo-B, RTN-XS, Foocen-M;
Isofd=09NQC3-1; Sequence=VSP_005555;
Name-3; Synonyms=RTN 4C, Nogo-C, Foocen-S;
Isofd=09NQC3-3; Sequence=VSP_005652, VSP_005653;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             TISSUE=Fetal brain;
Man Y.M., Xie Y., Zheng Z.H.;
Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sha J.H., Zhou Z.M., Li J.M.;
submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE OF 186-1192 (ISOFORM 1)
                                                                                                                                                                                                                                                                                                                                    stem_progenitor cells.";
Genome Res. 10:1546-1560(2000).
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                                   This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the Buropean Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia; Butheria, Buarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 promoters of
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MEDINE-22376540; PubMed=12488097; DOI=10.1016/S0022-2836(02)01179-8;
Oertle T., Huber C., van der Putten H., Schwab M.E.;
Genomic structure and functional characterisation of the promoters of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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83.3%; Pred. No. 0.0017;
ive 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1192;
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Pred. No. 0.0017;
2; Mismatches 1; Indels
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Submitted (MX7-2002) to the EMBL/GenBank/DDBJ databases.
EMBL, AX102285; AAM64243.1; -; Genomic_DNA.
EMBL, AX102279; AAM64248.1; -; mRNA.
SEQUENCE 1192 AA; 129930 MW; CDE239BBF31589CA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Created)
Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAG17976.1; -; mRNA.
BAA74909.2; ALT_INIT; mRNA.
AAH01035.1; -; mRNA.
frameshifts in positions 1149 and 1156
                                                                                                                                                                                                                                                                                           CAB99250.11 | IRANA.
BAB18927.11 | IRANA.
BAB18921.11 | IRANA.
AAG12176.11 | IRANA.
AAG121776.11 | IRANA.
AAG408712.11 | IRANA.
AAD31022.11 | IRANA.
BAAG3122.11 | IRANA.
BAAG312.11 | IRANA.
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J. Mol. Biol. 325:299-323(2003).
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les 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            85.9%;
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Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  98 HUMAN
Q7L7Q8 HUMAN PRELIMINARY;
Q7L7Q8;
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es 15; Conserv
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NCBI_TaxID=9606;
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EMBL; AJ251384;
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Name=RTN4;
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Best Local S
Matches 15
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MUCLECTIDE SEQUENCE.
MEDLINE-22715897; PubMed=12832288;
Oertle T., Klinger M., Stuermer C.A., Schwab M.E.;
Oertle T., Klinger M., Stuermer C.A., Schwab M.E.;
Oertle T., Klinger M., Stuermer C.A., Schwab M.E.;
FACH OF GREE family.";
FASEB J. 17:1238-1247(2003)
-1- MISCELLANEOUS: The Sequence shown here is derived from an EMBL/Genbank/DDB4 third party annotation (TPA) entry.
EMBLi_BK003965; DAA01974.1; -; Genomic_DNA.
                                                                                                                                                                                                          Sus acrofa (Pig).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Laurasiatheria, Cetartiodactyla, Suina, Suidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MXY-2000 (TrEMBLrel. 13, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-MXX-2004 (TrEMBLrel. 26, Last annotation update)
Peroxisome proliferator-activated receptor gamma.
Name=PPAR gamma;
Pleuronectes platessa (Plaice)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Actinopteryqii, Neopteryqii; Teleostei; Buteleostei; Neoteleostoi;
Pleuronectoidei; Pleuronectidae; Pleuronectiformes;
NCBI TaxID=8262;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           84.8%; Score 84; DB 2; Length 250; 93.8%; Pred. No. 0.00041; Live 1; Mismatches 0; Indels
                                                                                        Last sequence update)
Last annotation update)
   250 AA
                                                              Created)
   PRT;
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                                                              27,
                                                       05-JUL-2004 (TYEMBLED. 2
05-JUL-2004 (TYEMBLED. 2
05-JUL-2004 (TYEMBLED. 2
RTN4-AW (FYEMBLED. 2
NAME-RTN4.)
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OGIGI6 PIG PRELIMINARY;
QGIG16;
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Name=pparg;

Pleuronectes plateasa (Plaice).

Enkaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Actinopterygii; Meopterygii, Teleostei; Euteleostei; Nacteleostei; Acanthopterygii; Nacopterygii, Teleostei; Euteleostei; Nacteleostei; Acanthopterygii; Pleuronectidae; Pleuronecti
PRINTS; PRO0047; STROIDFINGER.
PRINTS; PRO0360; VITAMINDR.
PRODOW; PRO0360; VITAMINDR.
PRODOW; PRO0059; ZnE C4: 1.
SWART; SM00399; ZnE C4: 1.
PROSITE; PS00031; NOTERR REC DBD 1; 1.
PROSITE; PS00031; NOTERR REC DBD 1; 1.
SMADING; METAL-binding; Nuclear protein; Receptor; Transcription; Transcription regulator; Zinc-finger.
SEQUENCE 532 AA; 60410 MM; 19D73F21B3FD9CB8 CRC64;
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                                                                                                                                                                                                                            Query Match 59.6%; Score 59; DB 2; Length 532; Best Local Similarity 52.9%; Pred. No. 4.8; Matches 9; Conservative 6; Mismatches 2; Indels
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59.6%; Score 59; DB 2; Length 532;
Best Local Similarity 52.9%; Pred. No. 4.8;
Matches 9; Conservative 6; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-027,2003 (TrEMBLrel. 25, Created)
01-02T-2003 (TrEMBLrel. 25, Last sequence update)
01-04T-2004 (TrEMBLrel. 26, Last annotation update)
01-04M-2004 (TrEMBLrel. 26, Last annotation update)
Peroxisome proliferator-activated receptor gamma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRT; 532 AA
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Q7T029;
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Search completed: March 23, 2006, 16:48:29 Job time : 231 Becs

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES		Description	35 Aay71335 Bovine P4		7 Adp45547 Rat	Adz07584 Rat	Aay71400 Rat	Aay71390 Rat	Aay71397 Rat	Aay71389 Rat	Aay71396 Rat	Aay71388	Aay71394 Rat	Aay71387 Rat	Aay71399 Rat	Aay71398 Rat	Aay71386 Rat	Ado26415 Rat	91 Aay71391 Rat Nogo	Ado26414 Rat	Aay71562 Rat	Aay71560 Rat	Aay71557 Rat	Aay71310 Rat		
SUM		di ë	3 AAY71335	5 ABB81075	8 ADP4554	9 ADZ07584		3 AAY71390	3 AAY71397	3 AAY71389	3 AAY71396	3 AAY71388	3 AAY71394	3 AAY71387	3 AAY71399	3 AAY71398	3 AAY71386	8 AD026415	3 AAY71391	8 AD026414	3 AAY71562	3 AAY71560	3 AAY71557	3 AAY71310	3 AAY71384	100000
		Length DB	18	18	18	18	181	356	374	475	502	552	684	695	732	736	737	739	746					1163	1163	,,,,
de	Query	Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	•
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99 100.0 1163 8 ADD26399 Add26592 Add45572 Rd M046572 Rat NogoA 99 100.0 1163 9 ADD7609 Add465572 Rat NogoA 95 96.0 1162 8 ADD789349 Add89349 Mouse NogoA 95 96.0 1162 8 ADD08105 Add893349 Mouse Nog 95 96.0 1163 8 ADD08105 Add010105 Mouse Nog 85 86.9 118 8 ADD08105 Add45552 Human Nog 85 86.9 181 8 ADA0167 Add45557 Human Nog 85 86.9 181 8 ADD207607 Add45557 Human NiG 85 86.9 181 8 ADB08799 Add45570 Add45570 Human NiG 85 9 181 8 ADB0682 Human NiG Add5509 Human NiG 85 9 181 8 ADB0682 Add45	ALIGNMENTS 15 standard, peptide, 18 AA.	15; -2000 (first entry) P472 peptide for antisera production.	neurite growth inhibitor; Nogo; neural cell; myelin; CNS; nervous system; neoplastic disease; antiproliferative; glioma; see gene therapy; neuroblastoma; menagioma; retinoblastoma; rative nerve disease; Alzheimer's disease; Parkinson's disease; coliferative disorder; benign dysproliferative disorder; diagnosis; is; tissue hypertrophy; neuronal regeneration; treatment; iral plasticity; screening; P472 peptide; AS 472; antiserum.	11235-A2. -2000.	.1999; 99WO-US026160. 1998; 98US-0107446P. SCHWAB M R.	CHEN M ME, Che 00-40005 oteins a	122pp; English. to neurite growth inhibitor Nogo which is greem (CNS) myelin material with which it rocteins and fragments displaying neurite y are used in the treatment of neoplastic as, glioblastoma, medulloblastoma, craniop with haemangioblastoma, acoustic neuroma, menagioma, neuroblastoma
α ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο	1335	1335; IOV-2000 .ne P472	ne; n iral n sense merat irprol	8p. 10031235 TUN-2000	10V-1 10V-1	N/) CHEN vab ME, 2000-40 protein	n 22;] patent ral ne; riated pitory con
	RESU AAY7 ID	\$225583	X	8 X & X & 1	* * * * * * *	4	X & X & & & & & & & & & & & & & & & & &

Claim 23; Page 47; 93pp; English.

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degenerative nerve diseases e.g. Alzheimer's and Parkinson's diseases.
Therapeutics which promote Nogo activity can be used to treat or prevent
Therapeutics which promote Nogo activity can be used to treat or prevent
and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be
cused to inhibit production of Nogo protein to induce regeneration of
the neurons or to promote structural plasticity of the CNS in disorders where
neurite growth, regeneration or maintenance are deficient or desired. The
nimal models can be used in disgnostic and screening methods for
treat or prevent disorders and to screen for or test molecules which can
treat or prevent disorders and diseases of the CNS. The present sequence
a be used for ant Nogo protein fragment corresponding to residues
contained to the contained to the CNS in the present sequence
as SRQ ID No: 33 in the specification. However, in claim 22, SRQ ID No:
33 is referred as being nucleic acid sequence. SRQ ID numbers 35-42 are
referred in claim 32 and SRQ ID No: 29 in disclosure of the
specification. However, the specification does not include sequences for
these SRQ ID numbers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nerve regeneration; neuroprotection; neuronal degeneration; CNS; PNS; central nervous system; peripheral nervous system; tranquillizer; Nogo; vulnerary; cerebroprotective; anti-tumour; antidiabetic; antioonvulsant; nootropic; antiparkinsonian; opthalmological; analgesic; hepatotropic; osteopathic; vasocropic; rephrotropic; cytostatic; antigen; gene therapy; neurotransmitter receptor; rat; receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Promoting nerve regeneration and preventing neuronal degeneration in the central/peripheral nervous system from injury/disease, comprises administering nervous system-specific activated T cells/antigen, or analogs/peptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eisenbach-Schwartz M, Hauben E, Cohen IR, Beserman P, Mosonego A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                           Match 100.0%; Score 99; DB 3; Length 18; Local Similarity 100.0%; Pred. No. 2.9e-07; les 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rat Nogo-A p472 peptide (residues 623-640).
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98WO-US014715.
98US-00218277.
99US-00314161.
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                                                                                                                                                                                                                                                                                                                                                                             Sequence 18 AA;
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21-JUL-1998;
22-DEC-1998;
19-MAY-1999;
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The invention relates to promoting nerve regeneration or conferring contention and preventing or inhibiting neuronal degeneration in the contral/preparation in the contral/preparation in the contral/preparation in errors system (NS). The method involves administering CC compination or calls, NS-specific antigen, its analogue or perpetide, a nucleotide sequence the NS-specific antigen or its analogue or compinations. The method is useful for promoting nerve regeneration and form injury/disease, where the injury is spinal cord injury, blunt from injury, blunt cauma, penetrating trauma, hemorrhagic stroke, ischaemic stroke or autoimmune disease or neoplasm. The disease results in a degenerative autoimmune disease or neoplasm. The disease both. The disease is cores courring in either gray or white matter or both. The disease is disease, facial nerve (Bell's) palsy, glaucoma, Huntington's chorea, disease, facial nerve (Bell's) palsy, glaucoma, Huntington's chorea, catematical sclerosis, non-arteritic optic neuropathy, and seases carped on the vertex or sensor, intervertebral disc herniation prion diseases such a creutzfeldt.—Jackob disease, carpal turnel syndrome, peripheral intervertebral disc neuropathis encopathy, chronic ataxic neuropathy, malabsorption amyloidosis, obstructive ung diseases, acromegaly, malabsorption amyloidosis, obstructive ung diseases, acromegaly, malabsorption carparations of various drugs (G. metronidacole) and toxins contingences or inpoprobendaria, amyloid polymeuropathy, diant axonal neuropathy, Refemu's disease, staby's a decenomy loneuropathy, diant axonal neuropathy, Refemu's disease, sabry's cofficial antigen contingen.

Contingents or inpoproteinemia. The present sequence represents a peptide diseasent of the rat neurotransmitter receptor protein example.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          binding molecule; human; NogoA; NiG; NiG-D20; NogoA_623-640;
nerve repair; neuroprotective; gene therapy;
central nervous system injury; CNS injury; neurodegenerative disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Schwab ME, Vitaliti A;
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100.0%; Score 99; DB 5; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.9e-07;
Matches 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09-DEC-2003; 2003WO-EP013960.
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(NOVS ) NOVARTIS PHARMA GMBH.
(UYZU-) UNIV ZUBRICH.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Barske C, Mir AK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rattus norvegicus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 18 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADP45547;
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ADP45547
$$69999999999999999999999999999
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Disclosure; SEQ ID NO 1; 117pp; English.
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ID AAY7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 5
The present invention describes a binding molecule which binds to human NogoA polypeptide, human NiG, human NiG-D20 or human NogoA-623-640 with a dissociation constant of less than 1000hm. Also described: (1) a polynuclectide encoding the binding molecule; (2) an expression vector or system comprising the binding molecule; (2) an host cell comprising the expression system; (4) a pharmaccutical composition comprising the binding molecule and a carrier or diluent; and (5) treating diseases associated with nerve repair. The binding molecule has neuroprotective activity, and can be used in gene therapy. The binding molecule is useful in preparing a composition for treating central nervous system (CNS) in jury or neurodegenerative disorders. The present sequence represents a rat NogoA peptide fragment, which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New binding molecule capable of binding to human NogoA polypeptide, human NiG-D20, or human NogoA342-257, useful for treating nerve repair, Alzheimer's disease, Parkinson's disease, or amyotrophic lateral
                                                                 New binding molecule that binds to the human NogoA polypeptide, NiG-D20 or NogoA623-640, useful in preparing a composition for treating CNS injury or neurodegenerative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antibody; pharmaceutical; peripheral neuropathy; central nervous system disease; neurodegenerative disease; couloculogenerative disease; couloculogenerative disease; daibetic neurone disease; diabetic retinopathy; age related macular degeneration; myopia; cns-gen; neuroprotective; nootropic; antiparkinsonian; antidiabetic; ophthalmological; MogoA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                / Match 100.0%; Score 99; DB 8; Length 18; Local Similarity 100.0%; Pred. No. 2.9e-07; Indels 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Schwab ME, Vitaliti A;
                                                                                                                                           Example 3; SEQ ID NO 1; 121pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADZ07584 standard; peptide; 18 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 SYDSIKLEPENPPPYEEA 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (NOVS ) NOVARTIS AG.
(NOVS ) NOVARTIS PHARMA GMBH.
(UYZU-) UNIV ZURICH.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rat NogoA_342-357 peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Barske C, Frentzel S,
                                WPI; 2004-468818/44.
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 18 AA;
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Zurini M;
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Matches
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The invention relates to binding molecules (SEQ ID Nos 2 and 3) capable of binding to human Nigor (SEQ ID Nos 5), human Nigor binding to human Nigor Dolypeptide (SEQ ID Nos 24), or polypeptide (SEQ ID Nos 24), or polypeptide (SEQ ID Nos 24), or binding to human Nigor Dolypeptide (SEQ ID Nos 24), or polypeptide (SEQ ID Nos 26) all given in the specification, with a dissociation constent of less than 1000m. The binding molecule of the invention comprises a first antigen binding site comprising molecule of the hypervariable regions are at least 50% homologous to their equivalent hypervariable regions are at least 50% homologous to their equivalent hypervariable regions CDR-H1-36 (SEQ ID Nos 10) all given in the specification, and a second antigen binding site comprising in sequence the hypervariable regions CDR-L1, CDR-L2, and CDR-L3, where each of the hypervariable regions CDR-L1, CDR-L2, and CDR-L3, where each of the hypervariable regions CDR-L1, CDR-L2, and CDR-L3, where each of the hypervariable regions CDR-L1, CDR-L2, and CDR-L3, where each of the hypervariable regions CDR-L1, CDR-L3, and CDR-L3, where each of the hypervariable regions CDR-L1, CDR-L3, and CDR-L3, where each of the hypervariable regions CDR-L1, CDR-L3, and CDR-L3, where each of the hypervariable comprising full polymucleotide sequences encoding the binding molecules above, (1) polymucleotide sequences encoding the binding molecules above, (1) polymucleotide sequences above, where the expression vector comprising the polymoral confide sequences above, where the expression system or its part is capable of producing a polypeptide, when the system or its part is capable of producing a polypeptide, when the system or its part is capable of producing a polypeptide, when the careful state one pharmaceutical conjusting the binding molecules of treating diseases associated with nerve repair. They are also useful in the treatment of various diseases associated with nerve expair. They are also useful in the binding molecules and contral sequence repairs 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagloma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative discorder; benign dysproliferative discorder; denign dysproliferative discorder; despensial regeneration; treatment; structural plasticity; screening; mutant; mutein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ouery Match 100.0%; Score 99; DB 9; Length 18; Best Local Similarity 100.0%; Pred. No. 2.9e-07; Matches 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200031235-A2
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AAY71397
ID AAY7:
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AC AAY7:
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                                                                                                                                                                                                                                                                                                                                                         The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. gliona, ploalastoma, candiloblastoma, craniopharyngioma, oligodendroglioma, menagioma, hemolastoma acoustic neuroma.

CC dependroglioma, menagiona, neuroblastoma or retinoblastoma and dependrative nerve diseases e.g. Alfahimer's and Parkinson's diseases.

CC Therapeutics which promote Nogo activity can be used to treat or prevent and tissue hypertrophy. Ribozymes or antisense Nogo mucleic acids can be and tissue hypertrophy. Ribozymes or antisense Nogo mucleic acids can be used to inhibit production of Nogo protein to induce regeneration of Mogo protein to induce regeneration of meant of the construction of disorders and to screen for or the receipposition to disorders and to screen for or test models can be used in disquestic and screening methods for treat or prevent disorders or diseases of the CNS. The present sequence is a fragment of fart Nogo A protein shown in AAY17110, which is used is a fragment of fart Nogo A protein shown in AAY17110, which is used it can applying the inhibitory to NIG-D20 is composed of His-tag/Trect mapping the inhibitory to NIG-D20 is composed of His-tag/Trect mapping the inhibitory to NIG-D20 is composed of material or or set nogo A sequence from anino acids 542-722. In addition, N-terminal region 1-171 was found to be inhibitory to NIH 373 fibroblast spreading. Note: The was found to be inhibitory to NIH 373 fibroblast spreading. Note: The was found to be inhibitory to NIH 373 fibroblast spreading. Or the secret of the specification does not include sequences for these SEQ ID Numberer.
                                                                                                                                                                                                                                                                  yo proteins and nucleic acids useful for treating neoplastic disorders the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rat Nogo A protein fragment used in the construction of mutant NiG-D5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 99; DB 3; Length 181;
100.0%; Pred. No. 3.4e-06;
.ive 0; Mismatches 0; Indels 0; Gaps
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                                                                                                                                                                                                                                                                                                                                   Example; Page; 122pp; English.
                                             99WO-US026160.
                                                                                    98US-0107446P
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Best Local Similarity 100.0
...-hes 18; Conservative
                                                                                                                                                                                         Schwab ME, Chen MS;
                                                                                                                                                                                                                                WPI; 2000-400052/34.
                                                                                                                           (SCHW/) SCHWAB M E. (CHEN/) CHEN M S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 181 AA;
                                                                                      16-NOV-1998;
                                                05-NOV-1999;
       02-JUN-2000
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated Nogo proteins and fragments displaying neurite growth contains and fragments displaying neurite growth contains, because in the treatment of neoplastic disease of the CNS e.g. glioma, ploabastoma, acoustic neuroma, craniopharyngioma, coligodendroglioma, menagiona, neuroblastoma acoustic neuroma and coligodendroglioma, menagiona, neuroblastoma or retinoblastoma and cligodendroglioma, menagiona, neuroblastoma or retinoblastoma and dispensative nerve diseases e.g. Alzhaimer's and Parkinson's diseases. Chyperproliferative or benigm dysproliferative disease e.g. Alzhaimer's and Parkinson's diseases. Therapeutics which promote Nogo activity can be used to treat or prevent and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be and tissue hypertrophy. Ribozymes or antisense noder ergeneration of Nogo protein to induce regeneration of the controphy of the CNS in disorders where controphy regeneration or maintenance are deficient or desired. The animal models can be used in diagnostic and screening methods for treat or prevent disorders or disorders and to screen for or test molecules which creat or prevent disorders or diseases of the CNS. The present sequence is a fragment of rat Nogo A protein shown in AAV71310, which is used in the Nogo A sequence from animo acids 242-722. In addition, N-terminal region 1-171 was formathy and sequence shown in AAV71310 SEQ ID numbers 35-42 are referred from maintenance shown in AAV71310. SEQ ID numbers 35-42 are referred mumbers, the specification does not include sequence for the numbers of the referred from mumbers.
hyperproliferative disorder; benign dysproliferative disorder; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
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100.0%; Score 99; DB 3; Length 356;
Best Local Similarity 100.0%; Pred. No. 7e-06;
Matches 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    99WO-US026160.
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                                                                                                                                                                                                        Rattus sp.
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Sequence 374 AA;

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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, medulloblastoma craniopharyngioma, opendyoma, pinealoma, haemangioblastoma, acoustic neuroma.

CC degenerative nerve disease e.g. Altheimer's and Parkinson's diseases. Therapeutics which promote Strikity can be used to treat or prevent hypotyproliferative or benigh dysproliferative disorders e.g. psoriasis and itsuse hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of for neurons or to promote structural plasticity of the CNS in disorders where neurite growth, regeneration or maintenance are deficient or desired. The neurons or to promote structural plasticity of the CNS in disorders which can be used in disorders and to screen for or test molecules which can treat or prevent disorders or diseases of the CNS. The present sequence is derived by fusing two fragments of rat Nogo A protein to Myeophorial disorders and to screen for or test molecules which is used in the construction of mutant Nid-Di6 is composed of file-taging two fragments of rat Nogo A protein mutants were used for mapping the inhibitory sites of Nogo A deletion mutants were used for mapping the inhibitory to NIH 3T3 addition. N'terminal region 1-171 was found to be inhibitory to NIH 3T3 of Dibublast spreading Nogo A sequence shown in AAY1310 Specification but is derived from rat Nogo A sequence from amino acids 172-94, particularly amino acids 52-722. In addition, N-terminal region 1-171 was found to be inhibitory to NIH 3T3 of Specification but is derived from rat Nogo A sequence shown in AAY1310 Specification but is derived from rat Nogo A sequence from amino acids 172-94, particularly addition to the specification of However, the specification does not in
                                                                             Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative disorder; hanign degroliferative disorder; dispingn degroliferative disorder; diagnosis; spectiasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.
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Rat Nogo A protein fragment used in the construction of mutant NiG-D16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19. .374
/hote= "Corresponds to residues 619-974 of Nogo A
sequence shown in AAY71310"
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated Nogo proteins and fragments displaying neurite growth annibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, medulloblastoma, craniopharyngioma, cpendyoma, phinealoma, heemangioblastoma acoustic neurona.

CC ependyoma, phinealoma, menagioma, neuroblastoma or retinoblastoma and degenerative nerve diseases e.g. Alzheimer's and Parkinson's diseases.

CC Therapeutics which promote Nogo activity can be used to treat or prevent hyperproliferative or benign dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of meurons or to promote structural plasticity of the CNS in disorders where neurite growth, regeneration or maintenance are deficient or desired. The animal models can be used in diagnostic and screening methods for treat or prevent disorders or disorders and to screen for or test molecules which can be treat or prevent disorders or disorders 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glloma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative disorder; honjon dysproliferative disorder; diagnosis; psoriasis; tissue hypertropal regeneration; treatment; perructural plasticity; screening; mutant; mutein.
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Length 374;
    Query Match 100.0%; Score 99; DB 3; Length 37
Best Local Similarity 100.0%; Pred. No. 7.4e-06; Matches 18, Conservative 0, Mismatches 0; Indels
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(CHEN/) CHEN M S.
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AAY71389

AAY7389

AAY789

AAY7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic diseases; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperpoliferative disorder, honign dysproliferative disorder; panign dysproliferative disorder; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.
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was found to be inhibitory to NIH 3T3 fibroblast spreading. Note: The present sequence is not given in the specification but is derived from rat Nogo A sequence shown in AAV71310. SEQ ID numbers 35-42 are referred in claim 32 and SEQ ID No: 29 in disclosure of the specification. However, the specification does not include sequences for these SEQ ID
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                                                                                                                                                             Length 475;
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Local Similarity 100.0%; Score 99; DB 3; Length 47;
Local Similarity 100.0%; Pred. No. 9.5e-06;
Les 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                Sequence 475 AA;
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Best Local S
Matches 18
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degenerative nerve diseases e.g. Alzheimer's and Parkinson's diseases.

Therapeutics which promote Nogo activity can be used to treat or prevent

Therapeutics which promote Nogo activity can be used to treat or prevent

Therapeutic promote or benign dysproliferative disorders e.g. psoriasis

C and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be

CC used to inhibit production of Nogo protein to induce regeneration of

Therapeus of the CNS in disorders where

C animal models can be used in diagnostic and screening methods for

animal models can be used in diagnostic and screening methods for

C predisposition to disorders and to screen for or test molecules which can

C predisposition to disorders and to screen for or test molecules which can

C predisposition to disorders and to screen for or test molecules which can

C predisposition to disorders or diseases of the CNS. The present sequence

C predisposition to disorders or diseases of the CNS. The present sequence

C AAY1310, which is used in the construction of mutant NG-D15 is

C AAY1310, which is used in the construction of mutant NG-D15 is

C C AAY1310, which is used in the construction of mutant NG-D15 is

C C AAY1310, which is used in the construction of mutant NG-D15 is

C C AAY1310, which is used in the construction of mutant NG-D15 is

C C C AAY1310, which is used in the construction of mutant NG-D15 is

C C AAY1310, which is used in the construction of sites of

C C AAY1310, which is used in the construction of sites of

C S AAY1310, which is used in the present sequence as 172.74, particularly amino acids 542-722. In

C S AAY1310, which is derived from rat Nogo A sequence shown in AAY1310.

C S S D D numbers 35-42 are referred in claim 32 and SBO ID Numbers S.

C C include sequences for these SBO ID numbers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative, giltoma; antibense gene therative, giltoma; menagioma; retinoblastcoma; menagioma; retinoblastcoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperpoliferative disorder; Panign dysproliferative disorder; diagnosis; posoriasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 502 AA;
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Schwab ME,

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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and itagements displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of inhibitory activity are used in the treatment of neoplastic disease of inhibitory activity are used in the treatment of neoplastic disease of conditional, pinealoma, paemanajolastoma, accustic neuroma, craniopharyngioma, ependyoma, pinealoma, nenagioma, neuroblastoma, acustic neuroma, pinealoma, nenagioma, neuroblastoma or retinoblastoma addegenerative nerve diseases e.g. Alzheimer's and Parkinson's diseases.

Therapeutics which promoce Nogo activity can be used to treat or prevent conditions of Nogo activity can be used to treat or prevent conditions of Nogo protein to induce regeneration of neurons or to promote structural plasticity of the RNS in disorders where neurite growth, regeneration of maintenance are deficient or dealred. The neurons or to promote structural plasticity of the RNS in disorders where contribute growth, regeneration or maintenance are deficient or dealred. The relation to disorders and to screen for or test molecules which can treat or prevent disorders and diseases of the CNS. The present sequence is a fragment of rat Nogo A protein shown in AAVI310, which is used in the construction of mutant NiG-D3 is composed of Hie-tag/T7.

The construction of mutant NiG-D3. NiG-D3 is composed of Hie-tag/T7.

The construction of mutant NiG-D3. NiG-D3 is composed of the region was identified in the Nogo A protein man and and and and to be inhibitory to with 32 and 980 protein. We specification but is derived from management sequence shown in AAVI310. SNG In numbers 33-42 are referred to members. The specification described in claim 32 and 980 ID No: 29 in disclosure of the specification of include sequences for these SNG ID
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated Nogo proteins and fragments displaying neurite growth ansociated Nogo proteins and fragments displaying neurite growth and the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, medulloblastoma, craniopharyngioma, congenic neuroma, pinealoma, haemangioDlastoma, acoustic neuroma, craniopharyngioma, pinealoma, haemangioDlastoma acoustic neuroma.

CC oligodendroglioma, menagioma, neuroblastoma or retinoblastoma and dependrative nerve diseases e.g. Altheimer's and Parkinson's diseases.

CC oligodendroglioma, menagioma, neuroblastoma or retinoblastoma and cherapeutics which promote Nogo activity can be used to treat or prevent hyperproliferative or benign dysproliferative disorders e.g. psoriasis

CC and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of neurite growth, regeneration or maintenance are deficient or desired. The neurons or to promote structural plasticity of the CNS in disorders where animal models can be used in diagnostic and screening methods for treat or prevent disorders or diseases of the CNS. The present sequence to mutant NiG-DIO is composed of His-tag/T7-tag/Nogo-A sequence as 291-974/His-tag. Nogo A deletion mutants were used to construction of mutant NiG-DIO. NiG-DIO is composed of His-tag/T7-tag/Nogo-A sequence shown in ANY1310, Nicholast spreading. Note: The present sequence shown in ANY1310 is composed of the construction or mutants were setting amino acids 542-722. In addition, N-terminal region 1-171 was found to be inhibitory to NIH 373 fibroblast spreading. Note: The present sequence shown in ANY1310. SRQ ID numbers of the specification. In the specification of the specification.

CM However, the specification does not include sequences for these SEQ ID Numbers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rat, neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system, neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative diseorder; honging dysproliferative diseorder; dispensing dysproliferative disorder; dispensing; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rat Nogo A protein fragment used in the construction of mutant NiG-D2
                                                                                               Nogo proteins and nucleic acids useful for treating neoplastic disc
of the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match 100.0%; Score 99; DB 3; Length 684; Best Local Similarity 100.0%; Pred. No. 1.4e-05; Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY71387 standard; protein; 695 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example, Page, 122pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 684 AA;
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth control and inhibitory activity are used in the treatment of neoplastic disease of inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, heamagloblastoma, acoustic neuroma, craniopharyngioma, openance diseases e.g. Alzaheimer's and Parkinson's diseases. Cligodendroglioma, menagiona, neuroblastoma or retinoblastoma and disease to be neuroblastoma or retinoblastoma and disease to be neuroblastoma or retinoblastoma and disease to be neigh dysproliferative or benigh dysproliferative or benigh dysproliferative or used to thibit production of Nogo protein to induce regeneration of maintenance are deficient or desired. The neurons or to promote structural plasticity of the CNS in disorders where neurons or to promote structural plasticity of the CNS in disorders where consumal models can be used in disopostic are deficient or desired. The prevent disorders and to screen for or test molecules which or prevent disorders or disorders and to screen for or test molecules which creat or prevent disorders or diseases of the CNS. The present sequence as 172-66/fils-tag. Nogo a Adletion mutants were used to construction of mutant NiG-D2. NiG-D2 is composed of His-tag/Nogo to mapping the inhibitory to NIH 373 fibroblast spreading. Note: The construction acids 542-722. In addition, N-terminal region 1-171 was found to be inhibitory to NIH 373 fibroblast spreading. Note: The cran Nogo A sequence shown in the specification mutants were referred ran Nogo A sequence shown in AAV71310. SEG ID burders 52-42 are referred from manners. The specification does not include sequence for these SEQ ID mumbers, the specification does not include sequence for these SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative disorder; benign dysproliferative disorder; diagnosis;
                                                                                                                                                                                                                                                         Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rat Nogo A protein fragment used in the construction of mutant NiG-D18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Match 100.0%; Score 99; DB 3; Length 695; Local Similarity 100.0%; Pred. No. 1.4e-05; No. 1.8e 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY71399 standard; protein; 732 AA.
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                                                                                                                                                                                                                                                                                                                                     Example; Page; 122pp; English.
                                                         98US-0107446P.
                05-NOV-1999; 99WO-US026160
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                                                                                                                                                                           Schwab ME, Chen MS;
                                                                                                       (SCHW/) SCHWAB M E. (CHEN/) CHEN M S.
                                                                                                                                                                                                                      WPI; 2000-400052/34
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                                                              06-NOV-1998;
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Best Local Si
Matches 18
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, medulloblastoma, oraniopharymgioma, the CNS e.g. glioma, menagiona, neuroblastoma or retinoblastoma and egenerative nerve diseases e.g. Alzahamer's and Parkinson's diseases. Classepentics which promote Nogo activity can be used to treat or prevent Threatpeutics which promote Nogo activity can be used to treat or prevent whyserpooliferative or bening dysproliferative disorders e.g. paoriasis of the control promote structural plasticity of the CNS in disorders where neurons or to promote structural plasticity of the CNS in disorders where neurite growth, regeneration or maintenance are deficient or desired. The neurite growth, regeneration or maintenance are deficient or desired. The animal models can be used in disorders and to screen for or treat corporation two fissorders and to screen for or treat or prevent disorders or disorders and to screen for or treat or prevent disorders or disorders and to screen for or treat or prevent disorders or disorders and to screen for or treat or prevent disorders or fragments of rat Nogo A protein shown in sequence from amino acids 172-974, particularly amino acids 192-974, particularly amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
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                                                                                                  Location/Qualifiers
1. o. 18
- "Corresponds to residues 172-189 of Nogo A sequence shown in AAY1310"
                                                                                                                                                                                                      /note= "Corresponds to residues 261-974 of Nogo A sequence shown in AAY71310"
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psoriasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.
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100.0%; Score 99; DB 3; Length 732;
Best Local Similarity 100.0%; Pred. No. 1.5e-05;
Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      381 SYDSIKLEPENPPPYEEA 398
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                                                                                                                                                                                                                                                                                                                                                                     99WO-US026160.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Schwab ME, Chen MS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-400052/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SCHW/) SCHWAB M E. (CHEN/) CHEN M S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 732 AA;
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                                                                           Rattus sp.
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Region
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CMS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of inhibitory activity are used in the treatment of neoplastic disease of conditional, pinealoma, haemanglobiastoma, accoustic neuroma, caniopharymgioma, ependyoma, pinealoma, neuroblastoma or retinoblastoma and egenerative nerve diseases e.g. Alzheimer's and Parkineon's diseases.

Therapeutics which promote Nogo activity can be used to treat or prevent hyperproliferative or benign dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of neurons or to promote structural plasticity of the CMS in disorders where neurite growth, regeneration or maintenance are deficient or desired. The animal models can be used in disquestic and screening methods for predisposition to disorders and to screen for or test molecules which can be used in disquesses of the CMS. The present sequence is derived by fusing two fragments of screen for or test molecules which can be used in the construction of mutant NG-D17 is composed of His-tad/T7-tag/Nogo-A sequence as 172-189 + 257-914/His-tag. Nogo A deletion mutants were used for mapping the inhibitory sites of the operation and and acide 172-189 amino acids 542-722. In addition, N-terminal region 1-171 was found to be inhibitory to NHH 3T3
                                                                                                                                                                                                     Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; annisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative disorder; Alzheimer's disease; Parkinson's disease; psprinciparity disorder; diagnosis; psprincipals; tissue hypertrophy; neuronal regeneration; treatment; psprincipy; screening; mutenin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                Rat Nogo A protein fragment used in the construction of mutant NiG-D17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "Corresponds to residues 257-974 of Nogo A sequence shown in AAY71310"

    18 "Corresponds to residues 172-189 of Nogo
sequence shown in AAY71310"

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                                    AAY71398 standard, protein, 736 AA.
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                                                                                                                      02-NOV-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SCHW/) SCHWAB M I
(CHEN/) CHEN M S.
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                                                                                                                                                                                                                                                                                                                                                                            Rattus sp.
                                                                              AAY71398;
                                                                                                                                                                                                                                                                                                                                                                                                                      Key
Region
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RESULT 14
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, medulloblastoma, craniopharyngioma, ependyoma, plinealoma, haemangioblastoma, acoustic neuroma, caligodendroglioma, menagional account action action and cliqued which promote Nogo activity can be used to treat or prevent hyperproliferative or benign dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antiseanse Nogo nuclaic acids can be used to inhibit production of Nogo protein to induce regeneration of neurons or to promote structural plasticity of the CNS in disorders where neurite growth, regeneration or maintenance are deficient or desired. The animal models can be used in diagnostic and screening methods for predisposition to disorders and to screen for or test molecules which can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rat, neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antipooliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative disorder; being dyspooliferative disorder; disposase; psoriasis; tissue hypertrophy; neuronal resentation; treatment; structural plasticity; screening; mutant; mutein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                go proteins and nucleic acids useful for treating neoplastic disorders the central nervous system and inducing regeneration of neurons.
sequence is not given in the good A sequence shown in AAY71310.

im 32 and SEQ ID NO: 29 in c, the specification does not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Rat Nogo A protein fragment used in the construction of mutant NiG-DI.
                                                                                                                                                       Length 736;
                                                                                                                                                          Score 99; DB 3; Length 73
Pred. No. 1.5e-05;
Mismatches 0; Indels
    fibroblast spreading. Note: The present seg specification but is derived from rat Nogo SEQ ID numbers 35-42 are referred in claim disclosure of the specification. However, tinclude sequences for these SEQ ID numbers
                                                                                                                                                                                                                                                                                                                                                                     AAY71386 standard; protein; 737 AA
                                                                                                                                                          100.0%; Silarity 100.0%; P. Conservative 0;
                                                                                                                                                                                                                                                           SYDSIKLEPENPPPYEEA 402
                                                                                                                                                                                                                                  18
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                                                                                                                                                       Query Match
Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SCHW/) SCHWAB M (CHEN/) CHEN M S.
                                                                                                                 Sequence 736 AA;
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  fibroblast
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                                                                                                                                                                                                                                                                      385
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AAY71386
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The present invention relates to an isolated truncated Nogo-A polypeptide that corresponds to a truncated form of the Nogo-A protein from the rat and from the human. The truncated polypeptide is useful for identifying a compound having detectable affinity to a Nogo-A protein. The present sequence is a vector encoded Nogo-A protein used in the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New isolated truncated Nogo-A polypeptide that corresponds to a truncated form of the Nogo-A protein, useful for identifying a compound having detectable affinity to a Nogo-A protein.
treat or prevent disorders or diseases of the CNS. The present sequence is a fragment of rat Nogo A protein shown in ANY1310, which is used in the construction of mutant NiG-DI. NiG-DI is composed of His-tag/Ty-tag/Nogo-A sequence as 17-208/vector. Nogo A deletion mutants were used for mapping the inhibitory sites of Nogo protein. Najor inhibitory region was identified in the Nogo A sequence from amino acids 172-974, particularly amino acids 542-722. In addition, Veteminal, region 1-171 was found to be inhibitory to NIH 373 fibroblast spreading. Note: The present sequence is not given in the specification but is derived from rat Nogo A sequence shown in AAY71310. SEQ ID numbers 35-42 are referred However, the specification does not include sequences for these SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rat; human; Nogo-A; truncated; affinity; membrane-bound protein; vector.
                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                               Query Match
100.0%; Score 99; DB 3; Length 737;
Best Local Similarity 100.0%; Pred. No. 1.5e-05;
Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rat truncated Nogo-A protein encoded by cDNA vector #1.
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                                                                                                                                                                                                                                                                                                                                                                                              452 SYDSIKLEPENPPPYEEA 469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADO26415 standard; protein; 739
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (PIER-) PIERIS PROTEOLAB AG.
                                                                                                                                                                                                                                                                                                                                                                         1 SYDSIKLEPENPPYEEA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-376159/35.
N-PSDB; ADO26411.
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                                                                                                                                                                                                                                                                   Sequence 737 AA;
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Synthetic.
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Best Local S:
Matches 18
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth associated. Nogo proteins and fragments displaying neurite growth classes of inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. gliona, glioblastoma, acoustic neuroma.

CC inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. gliona, menagioma, neuroblastoma acoustic neuroma.

CC dependyoma, pinealoma, haemangioblastoma or retinoblastoma and dependrative merve diseases e.g. Alzheimer's and Parkinson's diseases.

CC Therapeutics which promote Nogo activity can be used to treat or prevent hyperproliferative or benign dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of Mogo protein to induce regeneration of maintenance are deficient or desired. The neurons or to promote structural plasticity of the CNS in disorders where animal models can be used in disgnostic and screening methods for predisposition to disorders and to screen for or test molecules which can be used in disgnostic and screening methods for treat or prevent disorders or diseases of the CNS. The present sequence is derived by fusing two fragments of rat Nogo A protein shown in the composed of His-tag/Nogo-A sequence as 172-234 + 292-974/His-tag.
                                                                                                                                                                                                                                                                                                         Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative disorder. Alzheimer's disperbliferative disorder; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                                                                                                                    Rat Nogo A protein fragment used in the construction of mutant NiG-D7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
1. .63
1. 63
1. sequence a Corresponds to residues 172-234 of Nogo A sequence shown in AAY71310"
64. .746
64. .746 = "Corresponds to residues 292-974 of Nogo A sequence shown in AAY71310"
                                                                                                                                               AAY71391 standard; protein; 746 AA.
                    412 SYDSIKLEPENPPPYEEA 429
18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example; Page; 122pp; English.
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                                                                                                                                                                                                                                   02-NOV-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SCHW/) SCHWAB M E. (CHEN/) CHEN M S.
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                                                                                                                                                                                        AAY71391;
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Gaps

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Local Similarity

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AAY71562 standard; protein; 803

02-NOV-2000 (first entry)

AAY71562;

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Nogo A deletion mutants were used for mapping the inhibitory sites of Nogo protein. Major inhibitory region was identified in the Nogo A sequence from amino acids 172-974, particularly amino acids 542-722. In addition, N-terminal region 1-171 was found to be inhibitory to NIH 3T3 fibroblast spreadings Note: The present sequence is not given in the specification but is derived from rat Nogo A sequence shown in AAV71310. SEQ ID numbers 15-42 are referred in claim 32 and SEQ ID NO: 29 in disclosure of the specification. However, the specification does not include sequences for these SEQ ID numbers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rat; human; Nogo-A; truncated; affinity; membrane-bound protein; vector.
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                                                                                                                                                                                                                                                                                                                                                                           / Match 100.0%; Score 99; DB 3; Length 74 Local Similarity 100.0%; Pred. No. 1.58-05; Local Bi Conservative 0; Mismatches 0; Indela
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100.0%; Score 99; DB 8; I
Best Local Similarity 100.0%; Pred. No. 1.6e-05;
Matches 18; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31-OCT-2002; 2002WO-EP012210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-376159/35.
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                                                                                                                                                                                                                                                                                                                    Sequence 746 AA;
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Synthetic.
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CMS) myelin material with which it is natively associated Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of the CMS e.g. glioma, glioblastoma, acoustic neuroma, craniopharyngioma, oligodendroglioma, menagioma, neuroblastoma accustic neuroma, oligodendroglioma, menagioma, neuroblastoma accustic neuroma, craniopharyngioma, cleases e.g. Alzheimer's and Parkinson's diseases. Therapeutics which promote Nogo activity can be used to treat or prevent hyperproliferative or benigh dysproliferative of disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of neurons or to promote structural plasticity of the CMS in disorders where neurons or to promote structural plasticity of the CMS in disorders. The predisposition to disorders or disgnostic and screening methods for treat or prevent disorders or disgnostic and screening methods for treat or prevent disorders or disgnostic and screening methods for treat or prevent disorders or disgnostic and screening methods for treat or prevent disorders or disgnostic and screening methods for treat or prevent disorders or disgnostic and screening methods for the construction of mutant NiG: The mutant is composed of His-tag/T7-tag/Nogo-A sequence as 172-974/His-tag. Nogo A deletion mutants were used for mapping the inhibitory sites of Nogo Protein. Wajor inhibitory region was identified in the Nogo A sequence from amino acids 542-722. In addition, N-terminal region 1-171 was found to be inhibitory to NHH 373 fibiroblast spreading. Note: The present sequence shown in ARA71310. SRQ ID numbers is 54-3 are referred from measure and sRQ ID NO: 29 in disclosure of the specification.
                                                                                                                                                                                                                        Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative disorder; benign dysproliferative disorder; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                             Rat Nogo A protein fragment used in the construction of mutant NiG.
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Sequence 803 AA,

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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated Nogo Proteins and fragments displaying neurite growth control of the CNS of proteins and fragments displaying neurite growth control of the CNS of growth nenagional, heamangloblastoma, craniopharyngioma, opendryma, pinealoma, neuroblastoma or retinoblastom and coligodendroglioma, menagional, neuroblastoma or retinoblastoma and degenerative nerved fleases e.g. Alzaheimer's and Parkinson's diseases.

CC degenerative nerved fleases e.g. Alzaheimer's and parkinson's diseases. The rapeutics which promote Nogo activity can be used to treat or prevent Therapeutics which promote Nogo activity of the GNS indice caids can be and tissue hypertrophy. Ribozymes or antisense Nogo mucleic acids can be used to inhibit production of Nogo protein to induce regeneration of menting growth, regeneration or maintenance are deficient or desired. The neuron or to promote structural plasticity of the CNS in disorders where the construction of disorders and to screen for or prevent disorders and to desired for animal models can be used in disorders and to screen for or prevent disorders or disorders and to corrent for or prevent disorders or disorders and to corrent for or prevent clisorders or disorders and to corrent for or prevent clisorders or disorders and to corrent for or prevent clisorders or disorders and order or prevent disorders or disorders and order or prevent disorders or disorders and order or prevent clisorders or disorders and to screen for or prevent clisorders or disorders and order or prevent disorders or disorders and order or prevent disorders and to serven for or prevent disorders and to serven for or prevent disorders and order or prevent disorders and to serven for or treat or prevent disorders and to serv
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           Length 803;
/ Match
Local Similarity 100.0%; Pred. No. 1.7e-05;
hes 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                             452 SYDSIKLEPENPPPYEEA 469
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200031235-A2.
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                                 Query Match
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Matches
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, plicaloma, memagiona, medulloblastoma, craniopharyngioma, cepondroma, heamagioblastoma, craniopharyngioma, cepondroma, heamagioblastoma or retinoblastoma and degenerative nerve diseases e.g. Alzaheimer's and Parkinson's diseases. Therapeutics which promote Nogo activity can be used to treat or prevent Therapeutics which promote Nogo activity can be used to treat or prevent Therapeutics which promote nogo activity can be used to treat or prevent Therapeutics which promote nogo activity can be used to treat or prevent or hyperproliferative or benjind dyproliferative disorders e.g. psoriasis and tissue bypertrophy. Ribozymes or antisense Nogo mucleic acids can be neurons or to promote structural plasticity of the CNS in disorders where neurite growth, regeneration or maintenance are deficient or desired. The neurons or to promote atructural plasticity of containing methods for an imal models can be used in disponentic and screening methods for an predisposition to disorders and to screen for or test molecules which can
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperpoliferative disorder, happroliferative disorder; benjign disproliferative disorder; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment;
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present sequence is not given in the specification but is derived from rat Nogo A sequence shown in AAV1310. SEQ ID numbers 35.42 are referred in claim 32 and SEQ ID No: 29 in disclosure of the specification. However, the specification does not include sequences for these SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rat Nogo A truncated protein used in the construction of mutant Nogo-A.
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Best Local Similarity 100.
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                                                                                                                                                Sequence 974 AA;
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note= "used as immunogen to generate antibody AS Bruna"
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                                                                                                                                         23. .640
note= "used as immunogen to generate antibody AS 472"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                988. 1023
/label= Transmembrane domain
/note="C-terminal hydrophobic region specifically
/escribed in claim 16"
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                         note= "Protein kinase C (PKC) site"
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|abel= Transmembrane domain
|note= "C-terminal hydrophobic
|escribed in claim 16"
                                                                                                                                                                                                                                                                                                                                                                                                note= "Protein kinase C (PKC)
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note= "Asn is N-glycosylated"
                                                                                                                                                                                                                                                                              note= "Casein kinase II site"
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                                                              note= "Casein kinase II site"
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note= "Asn is N-glycosylated"
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'note= "Asn is N-glycosylated"
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note= "Asn is N-glycosylated"
                                                                                                                      note= "Casein kinase II
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/note= "C-te
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/note= ""'
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treat or prevent disorders or diseases of the CNS. The present sequence is a truncated form of rat Nogo A protein shown in APY71310, which is used in the construction of mutant Nogo.A. Nogo.A is composed of Histag/Vector/Nogo.A sequence as 1-1162. Nogo A deletion mutants were used for mapping the inhibitory sites of Nogo protein. Major inhibitory particularly amino acids 542-722. In addition, N-terminal region 1-71 was found to be inhibitory to NHI 373 fibroblast spreading. Note: The present sequence is not given in the specification but is derived from rat Nogo A sequence shown in AAY71310. SEQ ID numbers 35-42 are referred However, the specification does not include sequences for these SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; giloma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperpoliferative disorder; benign dysproliferative disorder; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening.
                                                                                                                                                                                                                                                                                                                                                             Gaps
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s= "This region is not essential for inhibitory
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note= "Inhibits NIH 3T3 fibroblast spreading"
                                                                                                                                                                                                                                                                                                                     Length 1162;
                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 99; DB 3; Length 11.
Best Local Similarity 100.0%; Pred. No. 2.5s-05;
Matches 18; Conservative 0; Mismatches 0; Indels
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note= "Asn is N-glycosylated"
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note= "Acidic region"
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ID AAY71310 standard; protein; 1163 AA.
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activity"
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note= "1
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Location/Qualifiers
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 The present sequence is a rat Nogo A protein which is a potent neural call growth inhibitor and is free of all central nervous system (CNS) with inhibitor and is free of all central nervous system (CNS) derived from a cDNA generated by fusing RO18U3-3, R1-3U21 cDNAs isolated from hexanucleotides-primed rat brain stem/Spinal cord library, and O3118 crow hexanucleotides-primed rat oligodendrocyte library. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in medulloblastoma, craniophastroma, ependyoma, pinealoma, managioma, acoustic neuroma, oligodendrocyte library. Nogo proteins nedulloblastoma, acoustic neuroma, oligodendrocyte library. Nogo proteins neuroblastoma and degenerative nerve diseases e.g. Alzabiamer's and Parkinson's diseases. Therapeutics which promote Nogo activity can be used to trat or prevent hyperproliferative or benign dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisease Nogo nucleic acids can be used to inhibit opproduction of Nogo protein to induce regeneration of neurons or to promote structural plasticity of the CNS in disorders where neurite of promote structural plasticity of the CNS in disorders where neurite condens can be used in disoner are deficient or desired. The animal codisorders and to screen for or test molecules which an euclide conformation or maintenance are deficient or desired. The animal codisorders and to screen for or test molecules which can test of disorders or diseases of the CNS. Note: The present sequence for prevent disorders or diseases of the CNS. Note: The present sequence designated as SEQ ID No: 2 is stated to be the same as the sequence solution. However, this sequence referred in diseases. The sequence given in Fig. 13 (see AAY71384) of the specification does not include sequences for these SEQ ID numbers in the sequence of the specification does not include sequence of the specification of the sequence of the specification does not include sequence of the specification.
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                                                                                                                                          Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Match
Local Similarity 100.0%; Score 99; DB 3; Length 1163;
Local Similarity 100.0%; Pred. No. 2.5e-05;
Les 18; Conservative 0; Mismatches 0; Indels 0
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                                                                                                                                                                                         Claim 3; Fig 2A; 122pp; English.
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                                                                                           WPI; 2000-400052/34.
N-PSDB; AAD01173.
                                                             Schwab ME, Chen MS;
               (SCHW/) SCHWAB M E. (CHEN/) CHEN M S.
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762. 1163
/note= "used as immunogen to generate antibody AS Bruna"
784
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715
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shown in AAX71310"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /label= Unknown
hote= "There is Lys at this position in the sequence
shown in AAY1310"
                                                                                                                                                                   /label= Unknown
/note= "There is Leu at this position in the sequence
shown in AAY71310"
                                                                                         172. 259 --- This region is not essential for inhibitory activity."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            623. .640
/note= "used as immunogen to generate antibody AS
'note= "Inhibits NIH 3T3 fibroblast spreading"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  'note= "Protein kinase C (PKC) site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'note= "Protein kinase C (PKC) site"
                                                                                                                                                                                                                                                                                                                       /note= "Protein kinase C (PKC) site"
                                                                                                                                                                                                                                                                                                                                                           /note= "Protein kinase C (PKC) site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "Protein kinase C (PKC) site"
488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "Protein kinase C (PKC) site"
502
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "Protein kinase C (PKC) site"
912. .914
                                                                                                                                                                                                                                                                                                                                                                                                                                                      'note= "Protein kinase C (PKC) site"
                                                                                                                                                                                                                                           note= "Protein kinase C (PKC) site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "Protein kinase C (PKC)
855
Mote= "Protein kinase C (PKC) 1863
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "Casein kinase II site"
868
7 hote= "Protein kinase C (PKC)
893
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       821
/note= "Protein kinase C (PKC)
850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "Casein kinase II site"
542. .722
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "Casein kinase II site"
                                                                                                                                                                                                                                                                 242. .244
/note= "Asn is N-glycosylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        168. .470
'note= "Asn is N-glycosylated"
                                   'note= "Casein kinase II site"
                                                   .58
.e= "Acidic region"
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The present sequence is an alternative version of rat Nogo A protein which is a potent neural cell growth inhibitor and is free of all central nervous system (CNS) myelin material which it is natively nervous system (CNS) myelin material which it is natively associated. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, medulloblastoma, craniopharyngioma, capendyoma, pinealoma, hemangioblastoma, coustic neuroma, coligodendroglioma, menagioma, metulloblastoma or retinoblastoma and egenerative nerve diseases e.g. Alzheimer's and Parkinson's diseases.

Therapeutics which promote Nogo activity can be used to treat or prevent hyperpoliferative or benign dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo muclaic acids can be used to inhibit production of Nogo protein to induce regeneration of used to inhibit production of Nogo protein to induce regeneration of neurons or to promote structural plasticity of the CNS in disorders where neurons or to promeration or maintenance are deficient or desired. The animal models can be used in diagnostic and screening methods for animal models can be used in diagnostic and screening methods for treat or prevent disorders or diseases of the CNS. Note: The present treat or prevent disorders or diseases of the CNS. Note: The present creat or prevent disorders or diseases of the CNS. Note: The present creat or prevent disorders or diseases of the CNS. Note: The present created or prevent disorders or diseases of the CNS. Note: The present created or prevent disorders or diseases of the CNS. Note: The present created or prevent disorders or diseases of the CNS. Note: The present created or prevent disorders or diseases of the CNS. Note: The present created or prevent disorders or diseases of the CNS. A green for the specification. However the specification
                                                                                                                                                                                                                                                                                                          776. .1163
|hote= "C-terminal common region found in Nogo A, B and C
|soforms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                                                                                                                     'note= "This region is not essential for inhibitory
                                                                                                          /note= "PKC and casein kinase II sites"
956
                                                                                                                                                                                                    note= "PKC and casein kinase II sites"
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/label= Transmembrane domain
transmer= "C-terminal hydrophobic region"
[141. 1143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Transmembrane domain
"C-terminal hydrophobic region"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'note= "Protein kinase C (PKC) site"
.089
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090. .1125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        note= "Protein kinase C (PKC) site"
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                            25. .927
note= "Asn is N-glycosylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1071. .1073
/note= "Asn is N-glycosylated"
1073
"Asn is N-glycosylated"
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                                                                                                                                                                                                                                                                                                                                                                                                                                             988. .1023
/label= Tra
                                                                                                                                                                                                                                                                                                              activity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chen MS;
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                                Modified-site
                                                                                              Modified-site
                                                                                                                                                                   Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Schwab ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Domain
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                                                                                                                                                                                                                                         Region
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The invention relates to promoting nerve regeneration or conferring neuroprotection and preventing or inhibiting neuronal degeneration in the central/peripheral nervous system (NS). The method involves administering NS-specific activated T cells, NS-specific antigen, its analogue or its NS-specific activated a nucleofide sequence the NS-specific antigen or its analogue or its combinations. The method is useful for promoting nerve regeneration and perform in the nethod is useful for promoting nerve regeneration and preventing neuronal degeneration in central/peripheral nervous system from injury/disease, where the injury is spinal cord injury, blunt trauma, penetrating trauma, henorrhagic stroke, ischaemic stroke or trauma, penetrating trauma, henorrhagic stroke, ischaemic stroke or amages caused by surgery such as tumour excision. The disease is not an autoimmune disease on neoplasm. The disease is not an autoimmune disease on neoplasm. The disease is diabetic neuropathy, senile dementia, alzhaimer's disease, a parkinson's disease, facial nerve (Bell's) palby, glaucoma, Huntington's chorea, amyotrophic lateral sclerosis, non-arteritic optic neuropathy, and
                                                                                                                                                                                                                                                                                                                                                                                                                                  Nerve regeneration, neuroprotection, neuronal degeneration, CNS; PNS; central nervous system; peripheral nervous system; tranquillizer; Nogo; vulnerary; crebroprotective; anti-tumour; antidiabetic; anticonvulsant; nootropic; antiparkinsonian; ophthalmological; analgesic; hepatotropic; osteopathic; vasotropic; nephrotropic; cytostatic; antigen; gene therapy; neurotransmitter receptor; rat; receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Promoting nerve regeneration and preventing neuronal degeneration in the central/peripheral nervous system from injury/disease, comprises administering nervous system-specific activated T cells/antigen, or analogs/peptides.
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Moalem G;
                                                                      Length 1163;
does not include sequences for these SEQ ID numbers
                                                      Score 99; DB 3; Le
Pred. No. 2.5e-05;
                                                                                                                                                                                                                                                                                                                                                                                                       Rat neurotransmitter receptor protein Nogo-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 5; Page 44-47; 93pp; English.
                                                                                                                                                                                                                                                                                       ABB81074 standard; protein; 1163 AA.
                                                                                                                                                                            623 SYDSIKLEPENPPPYEEA 640
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98WO-US014715.
98US-00218277.
99US-00314161.
                                                                      Query Match
Best Local Similarity 100.0%;
Matches 18; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (YEDA ) YEDA RES & DEV CO LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-JUN-2001; 2001US-00893348.
                                                                                                                                                 1 SYDSIKLEPENPPPYEEA
                                                                                                                                                                                                                                                                                                                                                                05-NOV-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2002-607255/65.
N-PSDB; ABN86600.
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                                  Sequence 1163 AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2002072493-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-MAY-1998;
21-JUL-1998;
22-DEC-1998;
19-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-JUN-2002.
                                                                                                                                                                                                                                                                                                                            ABB81074;
                                                                                                                                                                                                                                              RESULT 24
ABB81074
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binding molecule; human, NogoA; NiG; NiG-D20; NogoA_623-640; nerve repair; neuroprotective; gene therapy; central nervous system injury; (NS injury; neurodegenerative disorder;

Rat NogoA protein SEQ ID NO:26.

(first entry)

09-SEP-2004

ADP45572;

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ADP45572 standard; protein; 1163

623 SYDSIKLEPENPPPYEEA 640

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vitamin deficiency, intervertebral disc herniation, prion diseases such as Creutzfeldt-Jakob disease, carpal tunnel syndrome, peripheral neuropathies associated with various diseases, including but not limited to uremia, porphyria, hypoglycemia, Sjorgren Larsson syndrome, acute sensory neuropathy, chronic ataxic neuropathy, bilary cirrhosis, content amyloidosis, obstructive lung diseases, acromegaly, malabsorption syndromes, polycythemia vera, immunoglobulin (Ig)A- and IgG gamma-pathies, complications of various drugs (e.g., metronidazole) and toxins (e.g., alcohol or organophosphates), Charcot-Marie-Tooth disease, ataxia adrenomyaloneuropathy, diant axonal neuropathy, Refemi s disease, spring disease, or lipoproteinemia. The present sequence represents the rat neurotransmitter receptor protein Nogo-A, an example of NS-specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New isolated truncated Nogo-A polypeptide that corresponds to a truncated form of the Nogo-A protein, useful for identifying a compound having detectable affinity to a Nogo-A protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to an isolated truncated Nogo-A polypeptide that corresponds to a truncated form of the Nogo-A protein from the rat and from the human. The truncated polypeptide is useful for identifying a compound having detectable affinity to a Nogo-A protein. The present sequence is a Nogo-A polypeptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rat; human; Nogo-A; truncated; affinity; membrane-bound protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           / Match
Local Similarity 100.0%; Score 99; DB 5; Length 1163;
Local Similarity 100.0%; Pred. No. 2:56-05;
Les 18; Conservative 0; Mismatches 0; Indels (es 18; Conservative 0; Mismatches 0; Indels (es 18); Conservative 0; Conservative 0; Mismatches 0; Indels (es 18); Conservative 0; Con
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 SYDSIKLEPENPPPYEEA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rat truncated Nogo-A protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31-OCT-2002; 2002WO-EP012210.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (PIER-) PIERIS PROTEOLAB AG.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 1163 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO2004039836-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antigen
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ADO26399
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Barske C, Mir AK, Oertle T, Schnell L, Schwab ME, Vitaliti A, Zurini M;

09-DEC-2003; 2003WO-EP013960.

Rattus norvegicus.

WO2004052932-A2.

24-JUN-2004.

(NOVS) NOVARTIS AG. (NOVS) NOVARTIS PHARMA GMBH. (UYZU-) UNIV ZUERICH. 10-DEC-2002; 2002GB-00028832.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New binding molecule that binds to the human NogoA polypeptide, NiG, NiG-D20 or NogoA623-640, useful in preparing a composition for treating CNS injury or neurodegenerative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ô
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; SEQ ID NO 26; 121pp; English.
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ADZ07609
ID ADZ07609 standard; protein; 1163 AA.
XX
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N-PSDB; ADP45571.
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ADP45572

ADP45572

ADP4557

ADP457

ADP477

ADP477

ADP77

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Gaps

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1 SYDSIKLEPENPPPYEEA 18

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us-09-830-972a-2_copy_623_640.rag

The invention relates to binding molecules (SEQ ID Nos 2 and 3) capable of binding to human NogoA polypeptide (SEQ ID No: 5), human NiG polypeptide (SEQ ID No: 6), human NiG colypeptide (SEQ ID No: 6), human NiG polypeptide (SEQ ID No: 24), or human NogoA 342-357 (SEQ ID No: 6) all given in the specification, with a dissociation comprises a first antigen binding molecule of the invention comprises a first antigen binding site comprising in sequence the hypervariable regions are at least 50 % homologous to their equivalent hypervariable regions CDR-H1-36 (SEQ ID NO: 10) all given in the specification, and a second antigen binding site comprising in sequence the hypervariable regions CDR-L1, where each of the hypervariable regions CDR-L1, where each of the hypervariable cregions CDR-L1, where each of the hypervariable cregions CDR-L1, where each of the hypervariable cregions CDR-L1, where the of the hypervariable cregions CDR-L1, where each of the hypervariable cregions CDR-L1, cDR-L2, and CDR-L3, where each of the hypervariable cregions CDR-L1, where each of the hypervariable cregions CDR-L1, where each of the hypervariable cregions comprising fully defined sequences (SEQ ID NO: 13) all given in the specification. Also described are: (1) polynucleotide sequences encoding fully defined sequences (SEQ ID NO: 13) given in the specification, (iii) an expression system or its part is capable of producing a polypeptide, when the system or its part is repable of producing a polypeptide, when the expression system or its part is present in a compatible hyperial or system or its part is present in a compatible hyperial or hypersel or myotrophic lateral supermined and central (CNS) nervous system, e.g. cherve repair. They are also useful as pharmaceutical producing a polypeptide or amyotrophic lateral soletous collar theory or pathologion or pathologion or pathologion or pathol Disclosure; SEQ ID NO 26; 117pp; English. Barske C, Frentzel S, Mir AK, (NOVS) NOVARTIS AG. (NOVS) NOVARTIS PHARMA GMBH. (UYZU-) UNIV ZURICH. 17-SEP-2004; 2004WO-EP010489 19-SEP-2003; 2003GB-00021997 16-JUN-2005 (first entry) Rat NogoA polypeptide. WPI; 2005-242564/25. N-PSDB; ADZ07608. Rattus norvegicus. WO2005028508-A2. 31-MAR-2005.

ò g New binding molecule capable of binding to human NogoA polypeptide, human NiG, human NiG-D20, or human NogoA342-357, useful for treating nerve repair, Alzheimer's disease, Parkinson's disease, or amyotrophic lateral sellenosis. antibody; NogoA; pharmaceutical; peripheral neuropathy; central nervous system disease; neurodegenerative disease; Alzheimers disease; periorions disease; motor neurone disease; coular disease; parkinsons disease; motor neurone disease; coular disease; diabetic retinopathy; age related macular degeneration; myopia; cns-gen; neuroprotective; nootropic; antiparkinsonian; antidiabetic; ophthalmological. Schwab ME, Vitaliti A;

Length 1163; Query Match
100.0%; Score 99; DB 9; Length 110
Best Local Similarity 100.0%; Pred. No. 2.5e-05;
Matches 18; Conservative 0; Mismatches 0; Indels 623 SYDSIKLEPENPPPYEEA 640 1 SYDSIKLEPENPPPYEEA 18 Sequence 1163 AA; specification.

Search completed: March 27, 2006, 06:32:52 Job time : 192 secs

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March 23, 2006, 16:49:28 ; Search time 167 Seconds (without alignments) 45.035 Million cell updates/sec
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1: /cgn2 6/ptodata/l/pubpaa/USO7_PUBCOMB.pep:*

2: /cgn2 6/ptodata/l/pubpaa/USO8_PUBCOMB.pep:*

4: /cgn2 6/ptodata/l/pubpaa/USO8_PUBCOMB.pep:*

4: /cgn2 6/ptodata/l/pubpaa/USIOA_PUBCOMB.pep:*

5: /cgn2 6/ptodata/l/pubpaa/USIOA_PUBCOMB.pep:*

6: /cgn2_6/ptodata/l/pubpaa/USIOB_PUBCOMB.pep:*
GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                      1867569 seqs, 417829326 residues
                                                                                                                                                                                                                                         US-09-830-972A-2_COPY_623_640
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1 SYDSIKLEPENPPPYEEA 18
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Maximum Match 100%
Listing first 45 summaries
                                                                                             OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 2000000000
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Perfect score: 9
Sequence: 1
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	Description	nce 1	19,	18,	18,	10,	10,	431,	2, A	9	23,	9	Sequence 71, Appl	7,	429	-	σ,	ď	3	'n	m		869		9851	2457	Sequence 71439, A	Sequence 5014, Ap
SUMMARIES	αı	US-09-893-348-19	US-10-810-653-19	US-09-893-348-18	US-10-810-653-18	US-10-633-423-10	US-10-427-741-10	US-10-267-502-431	US-09-789-386-2	US-09-758-140-6	US-09-893-348-23	US-09-972-599A-6	US-10-060-036-71	US-10-408-967-7	US-10-267-502-429	US-10-327-213-9	US-10-466-258-9	US-10-466-391A-9	US-10-810-653-23	US-11-090-836-3	US-11-090-846-3	US-11-090-847-3	US-10-732-923-8692	US-09-884-260A-54	US-10-732-923-9851	US-11-097-143-24576	US-10-282-122A-71439	US-10-369-493-5014
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*	Match	100.0	100.0	100.0	100.0	96.0	96.0	96.0	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	51.5	50.5	50.5	49.5	49.5	49.5
	Score	66	66	66	66	95	95	95	82	82	85	85	82	82	82	85	82	82	85	85	82	82	51	20	20	49	49	49
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Sequence 5679 Sequence 5679 Sequence 5679 Sequence 568 Sequence 569 Sequence 5703 Sequence 5703 Sequence 5704 Sequence 5704 Sequence 5705 Sequence 5707 Sequence 5707 Sequence 5707 Sequence 5707 Sequence 5707 Sequence 5708 Sequ		IFIC
4 US-10-332-859-18 4 US-10-437-965-14 4 US-10-425-155-155-155-155-155-155-155-155-155-1	100.08; FIEG. NO. 3.48-05; Indels also of Mismatches 0; Indels NPPYERA 18	INVENTION: ACTIVATED T-CELLS, NERVOUS SYSTEM-SPECIFIC ANTIGENS
28 48 48.5 104 4 1 3	Matches 18; Conservative 0; Matches 18; Conservative 0; Matches 18; Conservative 0; Matches 18; SYDSIKLEPENPPYERA 18	; TITLE OF INVENTION: A

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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GREATAL INCOMATION

GREATAL INCOMATION

APPLICANT: BISERBACH-SCHWARTZ, Michal

APPLICANT: BESERVAN, Pierre

APPLICANT: BESERVAN, Pierre

APPLICANT: MOSCNEGO, Alon

APPLICANT: MOSCNEGO, Alon

APPLICANT: MOSCNEGO, Alon

TITLE OF INVENTION: ACTIVATED T-CELLS, NERVOUS SYSTEM-SPECIFIC ANTIGENS AND THEIR USES.

TITLE REPRENCE: E18-SCHWARTZ=2A

CURRENT APPLICATION NUMBER: US/09/893,348

PRIOR PLING APPLICATION NUMBER: US 09/314,161

PRIOR PLING APPLICATION NUMBER: US 09/218,277

PRIOR PLING DATE: 1998-05-19

PRIOR PLING DATE: 1998-12-22

PRIOR PLING DATE: 1998-05-19

PRIOR PLING DATE: 1998-05-19

PRIOR PLING DATE: 1998-05-19

NUMBER OF SEO ID NOS: 29-05-19

SOFTWARE: PatchtIn version 3.1

SENOTH : 163

LENGTH: 1163

LENGTH: 1163

GREAUSH: Rattus norvegicus

US-10-810-653-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
100.0%; Score 99; DB 5; Length 1163;
Best Local Similarity 100.0%; Pred. No. 0.00023;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MESUL 3.

VE-10-633-423-10

Sequence 10. Application US/10633423

Sequence 10. Application No. US2004013140A1

Publication No. US2004013140A1

Publication No. US2004013140A1

APPLICANT: Yamashita, Toshihide

TITLE OF INVENTION: COMPOSITION AND METHOD FOR NERVE REGENERATION

PILE REPERENCE: 5915-0823.050

CURRENT PELING DATE: 2003-07-11

PRIOR APPLICATION NUMBER: US 10/427,741

PRIOR APPLICATION NUMBER: US 10/427,741

PRIOR APPLICATION NUMBER: US 2003-092923

PRIOR FILING DATE: 2003-03-28

NUMBER OF SEQ ID NOS: 2003-03-28

SOFTWARE: Patentin version 3.1

SOFTWARE: PRY

TYPE: PRY

TYPE: PRY

CORGANISM: MUR musculus

US-10-633-423-10
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96.0%; Score 95; DB 4; Length 116
Best Local Similarity 94.4%; Pred. No. 0.00078;
Matches 17; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 SYDSIKLEPENPPYEEA 18
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624 SYDGIKLEPENPPYEEA 641
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US-10-427-741-10
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| Sequence 18, Application US/0989348
| Sequence 18, Application US/0989348
| Patent No. US20020072493A1
| GENERAL INFORMATION:
| APPLICANT: ISRBRAGAZ SCHWARTZ, Michal
| APPLICANT: COHEN, Irun R. |
| APPLICANT: MOSONGGO, Alon
| APPLICANT: MOSONGGO, Alon
| TITLE OF INVENTION: ACTIVATED T-CELLS, NERVOUS SYSTEM-SPECIFIC ANTIGENS AND THEIR USF
| TITLE OF INVENTION: ACTIVATED T-CELLS, NERVOUS SYSTEM-SPECIFIC ANTIGENS AND THEIR USF
| TITLE OF INVENTION: ACTIVATED T-CELLS, NERVOUS SYSTEM-SPECIFIC ANTIGENS AND THEIR USF
| FILE REPERBNCE: E1S-SCHWARTZ-2A
| CURRENT APPLICATION NUMBER: US 09/314,161
| PRIOR FILING DATE: 1999-12-22
| PRIOR FILING DATE: 1999-12-22
| PRIOR FILING DATE: 1998-12-22
| PRIOR FILING DATE: 1998-07-21
| PRIOR FILING DATE: 1998-07-21
| PRIOR FILING DATE: 1998-07-21
| PRIOR FILING DATE: 1998-05-19
| NUMBER OF SEQ ID NOS: 29
| SEG ID NO 18
| LENGTH: 1163
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100.0%; Score 99; DB 3; Length 1163;
Best Local Similarity 100.0%; Pred. No. 0.00023;
Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
100.0%; Score 99; DB 5; Length 18
Best Local Similarity 100.0%; Pred. No. 3.4e-06;
Matches 18; Conservative 0; Mismatches 0; Indels
FILE REPERENCE: EIS-SCHWARTZ=2A
CURRENT APPLICATION NUMBER: US/10/810,653
CURRENT FILING DATE: 2004-06-28
PRIOR APPLICATION NUMBER: US/09/893,348
PRIOR FILING DATE: 2001-06-28
PRIOR PELICATION NUMBER: US 09/314,161
PRIOR PLILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: US 09/218,277
PRIOR APPLICATION NUMBER: US 09/218,277
PRIOR APPLICATION NUMBER: US 09/218,277
PRIOR PILING DATE: 1998-07-21
PRIOR PILING DATE: 1998-07-21
PRIOR APPLICATION NUMBER: UI 124500
NUMBER OF SEQ ID NOS: 29
SEQ ID NO 19
LENGTH: 18
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US-10-810-653-18
Sequence 18, Application US/10810653
Publication No. US20040253218A1
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CORGANISM: Rattus norvegicus
US-09-893-348-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Rattus norvegicus
US-10-810-653-19
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SEQ ID NO 6
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GENERAL INFORMATION:
APPLICANT: Tobyama, Mssaya
APPLICANT: Tobyama, Mssaya
APPLICANT: Tobyama, Mssaya
APPLICANT: Vamashita, Toshihide
IITLE OF INVENTION: COMPOSITION AND METHOD FOR NERVE REGENERATION
FILE REFERENCE: 59150-8023
CURRENT APPLICATION NUMBER: US/10/427,741
CURRENT FILING DATE: 2003-04-30
PRIOR FILING DATE: 2003-03-28
NUMBER OF SEQ ID NOS: 25
SOFTWARE: Patentin version 3.1
SEQ ID NO 10
LENGTH: 1162
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Best Local Similarity 94.4%; Pred. No. 0.00078;
Matches 17; Conservative 0; Mismatches 1.
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US-09-789-386-2
Sequence 2, Application US/09789386
Sequence 2, Application US/09789386
Sequence 2, Application US/09789386
Sequence 1.05.00202010324A1
GENERAL INFORMATION: DAVID
APPLICANT: PRINJAR, RABINDER KUMAR
TITLE OF INVENTION: NOVEL COMPOUNDS
FILLE REPERBNCE: GP-30165-C1
CURRENT APPLICATION NUMBER: UK. 991698.1
PRIOR APPLICATION NUMBER: UK. 9916024.5
PRIOR APPLICATION NUMBER: UK. 9816024.5
PRIOR PLING DATE: 1999-07-19
PRIOR PLING DATE: 1999-07-22
PRIOR PLING DATE: 1999-07-22
PRIOR PLING DATE: 1999-07-22
PRIOR PLING DATE: 1999-07-22
NUMBER OF SEC ID NOS: 6
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-267-502-431
Sequence 43.1, Application US/10267502
Publication No. US20040071700A1
GENERAL INFORMATION:
APPLICANT: Galant, Ron
TITLE OF INVERTION: Obesity Linked Genes
FILE REFERENCE: LSD-07416
CURRENT PELLICATION NUMBER: US/10/267,502
CURRENT PELLING DATE: 2003-01-27
NUMBER OF SEQ ID NOS: 439
SOFTWARE: Patentin version 3.2
LENGTH: 1163
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; ORGANISM: Mus musculus
US-10-267-502-431
                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Mus musculus
US-10-427-741-10
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Sequence 7, Application US/10408967
Sequence 7, Application US/10408967
CENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Pharmacia & Upjohn Company
APPLICANT: Yan, Righang
APPLICANT: Yan, Righang
APPLICANT: LA, Yifeng
TILE REPRENCE: 00925
CURRENT APPLICATION NUMBER: US/10/408,967
CURRENT FILING DATE: 2003-04-08
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin version 3.1
SSPTWARE: Patentin version 3.1
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Best Local Similarity 83.3%; Pred. No. 0.016;
Matches 15; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
85.9%; Score 85; DB 4; Length 1192;
Best Local Similarity 83.3%; Pred. No. 0.016;
Matches 15; Conservative 2; Mismatches 1; Indels
                                              Query Match
Best Local Similarity 83.3%; Pred. No. 0.016;
Matches 15; Conservative 2; Mismatches 1; Indels
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US-10-267-502-429
iSequence 429, Application US/10267502
sequence 429, Application US/10267502
publication No. US20040071700A1
GENERAL INFORMATION:
APPLICANT: Kim, Jaeseob
APPLICANT: Galant, Ron
TILE OF INVENTION: Obesity Linked Genes
CURRENT APPLICATION NUMBER: US/10/267,502
CURRENT FILING DATE: 2003-01-27
NUMBER OF SEQ ID NOS: 439
SEQ ID NO 429
LENGTH: 1192
TYPE: PRT
CORGANISM: Home sapiens
US-10-267-502-429
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US-10-327-213-9
; Sequence 9, Application US/10327213
; Publication No. US20040121341A1
; GENERAL INFORMATION:
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; TYPE: PRT
; OKGANISM: Homo sapiens
US-10-408-967-7
US-10-060-036-71
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US-09-972-59A-6

US-09-972-59A-6

Sequence 6, Application US/09972599A

Patent No. US20020077295A1

GENERAL INFORMATION:

APPLICANT: STRITTHATTER, STEPHEN M.

TITLE OF INVENTION: NOGO-RECEPTOR-MEDIATED BLOCKADE OF AXONAL GROWTH

PILER REPERSINCE: CO77 CIP US

CURRENT FILING DATE: 2001-01-06

PRIOR PILING DATE: 2001-01-12

PRIOR FILING DATE: 2001-01-12

PRIOR PILING DATE: 2000-01-12

PRIOR PILING DATE: 2000-01-12

PRIOR PILING DATE: 2000-09-26

PRIOR PILING DATE: 2000-09-26

PRIOR PILING DATE: 2000-09-26

PRIOR PILING DATE: 2000-01-12

NUMBER OF SEQ ID NOS: 57

SEQ ID NO 6: 57

SEQ ID NO 6: 57

SEQ ID NO 6: 57
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US-10-060-056-71
US-10-060-056-71
Sequence 71, Application US/10060036
Publication No. US20030073144A1
GENERAL INFORMATION:
APPLICANT: Relea, Michael D.
APPLICANT: Lodes, Michael J.
APPLICANT: Peraing, David H.
APPLICANT: Peraing, David H.
APPLICANT: Peraing, David H.
APPLICANT: APPLICANT: PERAING, DAVID H.
APPLICANT: APPLICANT: AUTONION: AND DIAGNOSIS OF PANCREATIC CANCER
TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER
FILE REPRENCE: 210.21.56
CURRENT APPLICATION NUMBER: US/10/060,036
CURRENT APPLICATION NOS: 4560
SOFTWARE: FRAILS FRAILS
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Best Local Similarity 83.3%; Pred. No. 0.016;
Matches 15; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                 Query Match
Best Local Similarity 83.3%; Pred. No. 0.016;
Matches 15; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 SYDSIKLEPENPPYEEA 18
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT; ORGANISM: Homo sapiens
US-09-972-599A-6
               ; LENGTH: 1192
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-893-348-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1192
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o;
APPLICANT: PILBIN, MARIB T.

APPLICANT: DOMENICONI, MARCO

APPLICANT: CAO, ZIXUAN

TITLE OF INVENTION: INHIBITORS OF MYELIN-ASSOCIATED GLYCOPROTEIN (MAG)

TITLE OF INVENTION: ACTIVITY POR REGULATING NEURAL GROWTH AND REGENERATION

TITLE OF INVENTION: ACTIVITY POR REGULATING NEURAL GROWTH AND REGENERATION

FILE REFERENCE: CUNY/003

CURRENT APPLICATION NUMBER: US/10/327,213

CURRENT FILING DATE: 2002-12-20

NUMBER OF SEQ ID NOS: 43

SEQ ID NO 9

LENGTH: 1192

TYPE: RRT

CREANIEM: HOME SEPIENS

TYPE: RRT

CREANIEM: HOME SEPIENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 85.9%; Score 85; DB 4; Length 1192; Best Local Similarity 83.3%; Pred. No. 0.016; Matches 15; Conservative 2; Mismatches 1; Indels
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Search completed: March 23, 2006, 16:52:58 Job time : 168 secs

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March 23, 2006, 16:50:18; Search time 23 Seconds (without alignments) 22.401 Million cell updates/sec
GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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1: /cgn2 6/ptodata/1/pubpaa/US08 NEW PUB.pep:*

3: /cgn2 6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

3: /cgn2 6/ptodata/1/pubpaa/US07 NEW PUB.pep:*

4: /cgn2 6/ptodata/1/pubpaa/PCT NEW PUB.pep:*

5: /cgn2 6/ptodata/1/pubpaa/NS09 NEW PUB.pep:*

6: /cgn2 6/ptodata/1/pubpaa/US10 NEW PUB.pep:*

7: /cgn2 6/ptodata/1/pubpaa/US10 NEW PUB.pep:*

7: /cgn2 6/ptodata/1/pubpaa/US10 NEW PUB.pep:*

8: /cgn2 6/ptodata/1/pubpaa/US10 NEW PUB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 169630 seqs, 28622889 residues
                                                                                                                                                                                                                                                      US-09-830-972A-2_COPY_623_640
99
1 SYDSIKLEPENPPPYEEA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                      OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                            Title:
Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                                                                                   Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Searched:
                                                                                                                                                            Run on:
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Pred. No. is the number of results predicted by chance to have a core greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

					SUMMARIES	
Result		Query				
No.	Score	Match	Match Length	g :	QI	Description
ч	66	100.0	18	7	US-11-044-899-33	Sequence 33, Appl
8	66	100.0	1163	7	US-11-044-899-2	2,7
m	66	100.0	1163	7	US-11-044-899-30	30,
4	82	85.9	201	7	US-11-177-648-76	76,
2	82	85.9	1178	7	US-11-044-899-29	29,
9	80	80.8	200	7	US-11-177-648-113	Sequence 113, App
7	46	46.5	247	7	US-11-096-568A-28475	2847
80	46	46.5	329	7	US-11-096-568A-28474	Sequence 28474, A
6	46	46.5	340	7	US-11-096-568A-28473	Sequence 28473, A
10	46	46.5	505	9	US-10-519-447-4	
11	46	46.5	688	7	US-11-106-674-1	1, A
12	45	45.5	487	7	US-11-249-847-582	
13	44	44.4	361	7	US-11-096-568A-28287	2828
14	44	44.4	363	7	US-11-096-568A-28286	
15	44	44.4	413	7	US-11-096-568A-28285	
16	44	44.4	569	7	US-11-096-568A-23878	
17	44	44.4	584	7	US-11-096-568A-23877	
18	44	44.4	605	7	US-11-096-568A-23876	
19	43	43.4	206	7	US-11-015-546A-7	7,
20	43	43.4	212	7	US-11-015-546A-5	'n
21	43	43.4	219	7	US-11-015-546A-4	Sequence 4, Appli
22	43	43.4	253	7	US-11-015-546A-2	7
23	43	43.4	269	^	US-11-015-546A-10	10,
24	43	43.4	274	7	US-11-015-546A-12	12,
25	43	43.4	473	7	US-11-096-568A-7408	7408

RESULT 2
US-11-044-899-2
US-11-044-899-2
Sequence 2, Application US/11044899
Sequence 2, Application US/11044899
Sequence 2, Application No. US20050260616A1
SEMERAL INFORMATION:
APPLICANT: Chen, M.
TITLE OF INVENTION: NUCLECTIDE AND PROTEIN SEQUENCES OF NOGO GENES AND METHODS BASED
TITLE OF INVENTION: THEREON
FILE REFERENCE: 10200-017-999
CURRENT APPLICATION NUMBER: US/11/044,899
CURRENT PAPLICATION NUMBER: US/05-01-26
PRIOR APPLICATION NUMBER: 09/830,972

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9195, Ap 9196, Ap 9194, Ap 9193, Ap 3, Appli 119, App	563, App 10192, A 10191, A 297, App 31293, A 31292, A 31292, A 28236, A	809, Ap 32, App 17369,	AND METHODS	Gaps 0
Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence	Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence	Sequence Sequence Sequence	OF NOGO GENES	18; 1s 0;
DDDDDDDD	195 6 US-10-995-561-563 236 7 US-11-096-568A-10192 251 7 US-11-006-568A-10191 470 7 US-11-096-568A-31293 954 7 US-11-096-568A-31293 963 7 US-11-096-568A-31292 964 7 US-11-096-568A-31292 968 7 US-11-096-568A-31291	9 C C	tion US/11044899 050260616A1 M. WUCLEOTIDE AND PROTEIN SEQUENCES THERENCON 010-017-999 NUMBER: US/11/044,899 12005-01-26 2001-09-24 2001-09-24 1999-11-05 1999-11-05 S: 51	imilarity 100.0%; Score 99; DB 7; Length 18; Conservative 0; Mismatches 0; Indels SYDSIKLEPENPPPYEEA 18
4 4 4 4 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6	* * * * * * * * * * * * * * * * * * *	41.4 41.4 40.9	1-899-33 2e 33, Application US 2e 131, Application No. US200502606 L INFORMATION: TANT: Schwab, M. OP INVENTION: UUCLEK OP INVENTION: THERE OF INVENTION: THERE OF INVENTION: THERE OF INVENTION: UNUBER: THING DATE: 2001-05 APPLICATION UNUBER: PILING DATE: 2001-05 APPLICATION UNUBER: PILING DATE: 1999-11 ARE: PARE: PARESEQ for WING NO 33 NO 33 11 18	Similarity 8; Conser SYDSIKLEP
443 443 443 443 443 443 443 443 443 443	4 4 4 4 4 4 4 4 4	41 40.5	SULT 1 5-11-04-899-33 5-20-06-13, Applicati Publication No. US2005 GENERAL INFORMATION APPLICANT: Schwab, M. APPLICANT: Chen, M. TITLE OF INVENTION: TITLE OF INVENTION: TITLE OF INVENTION: WINTER PREFINCE: 1020 CURRENT FILING DATE: PRIOR PLICATION NUM PRIOR FILING DATE: 120 PRIOR PLING DATE: 120 PRIOR APPLICATION NUM PRIOR FILING DATE: 120 PRIOR APPLICATION NUM PRIOR APPLICATION NUM PRIOR PRIOR APPLICATION NUM	1 1882
22 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	& W W W W W W W W W W W W W W W W W W W	444	RESULT 1 US-11-044-899-33 Sequence 33, A Publication No CENERAL INFORM APPLICANT: SC APPLICANT: C APPLICANT: C TITLE OF INVE FILE REFERENC CURRENT APPLIC CURRENT APPLICA FILE REFERENC CURRENT APPLICA PRIOR PELING PRIOR PELING PRIOR PILING PRIOR APPLICA PRIOR PILING	Query Matches Matches Qy

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RESULT 5
103-11-044-899-29
1 Sequence 29, Application US/11044899
1 Sequence 29, Application No. US20050260616A1
2 Sequence 29, Application No. US20050260616A1
3 Sequence 20, Application No. US20050260616A1
3 APPLICANT: Schwab, M.
3 APPLICANT: Schwab, M.
TITLE OF INVENTION: THEREON
7 TILE OF INVENTION: THEREON
7 TILE OF INVENTION: THEREON
7 TILE OF INVENTION: THEREON
8 TILLE OF INVENTION NUMBER: US/11/044,899
1 CURRENT APPLICATION NUMBER: US/11/044,899
1 CURRENT APPLICATION NUMBER: OS/830,972
1 PRIOR FILING DATE: 1999-11-05
1 PRIOR FILING DATE: 1999-11-05
1 PRIOR FILING DATE: 1999-11-06
1 NUMBER OF SEQ ID NOS: 51
1 SEQUENCE: PARKET PARKET OF Windows Version 3.0
1 SEQUENCE: PARKET PARKET OF WINDOWS VERSION 3.0
1 SEQUENCE: PARKET PARKET OF WINDOWS VERSION 3.0
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                                                                                                                                                                                                                                                                                                                                                     ; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Amino acids 586-785 of human NOGO A (NOGO-A56)
US-11-177-648-76
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85.9%; Score 85; DB 7; Length 1178;
Best Local Similarity 83.3%; Pred. No. 7.8e-05;
Matches 15; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 201;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
85.9%; Score 85; DB 7; Length 201
Best Local Similarity 83.3%; Pred. No. 1.1e-05;
Matches 15; Conservative 2; Mismatches 1; Indels
CURRENT FILING DATE: 2005-07-06
PRIOR APPLICATION WUMBER: PGT/GB2004/005325
PRIOR FILING DATE: 2004-12-20
PRIOR PLILING DATE: 2004-12-20
PRIOR PLILING DATE: 2003-12-22
PRIOR PLILING DATE: 2003-12-22
PRIOR PLILING DATE: 2003-12-22
NUMBER OF SEQ ID NOS: 113
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 76
LENGTH: 201
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COCATION (1)...(1178) at all Xaa position
COCATION INFORMATION: Xaa = any amino acid
US-11-044-899-29
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Publication No. US20060029603A1
GENERAL INFORMATION:
APPLICANT: Jonathon Henry ELLIS
APPLICANT: Paul Andrew HAMBLIN
APPLICANT: Paul Albert HAMBLIN
APPLICANT HAMBLIN
APPLICA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 6
US-11-177-648-113
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                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1163;
                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 99; DB 7; Length 11 Best Local Similarity 100.0%; Pred. No. 6.3e-07; Matches 18; Conservative 0; Mismatches 0; Indels
Sequence 76, Application US/1117648
Publication No. US20060029603A1
GENERAL INFORMATION:
APPLICANT: Jonathon Henry ELLIS
APPLICANT: Paul Andrew HAMBLIN
APPLICANT: Paul Andrew HAMBLIN
APPLICANT: Paul Alexander WILSON
APPLICANT: Alan Peter LEWIS
ITTLE OF INVENTION: IMMUNOCLOBULINS
FILE REFERENCE: PSE0508-2
CURRENT APPLICATION NUMBER: US/11/177,648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; FRATURE:
NAMEKEY: VARIANT
; LOCATION: (1)...(1163) at all Xaa position
; OTHER INFORMATION: Xaa = any amino acid
US-11-044-899-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           623 SYDSIKLEPENPPPYEEA 640
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US-11-177-648-76
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-519-447-4
         SEQ ID NO 28474
LENGTH: 329
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US-11-096-568A-28475

Sequence 28475, Application US/11096568A

Sequence 28475, Application US/11096568A

Publication No. US20060048240A1

SERERAL INFORMATION:
APPLICANT: Alexandrow', Nickolai et al.
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
TITLE OF INVENTION: Thereby
FILE REFERENCE: 2750-15224023

FULE REFERENCE: 2750-15224023

CURRENT PELING DATE: 2005-04-01

NUMBER OF SEQ ID NOS: 34471

LENGTH: 247

LENGTH: 247
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TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
TITLE OF INVENTION: Therby
FILE REFERENCE: 2750-1592PUS2
CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT APPLICATION DUMBER: US/11/096,568A
NUMBER OF SEQ ID NOS: 34471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Artificial Sequence
; PEATURE:
; OTHER INFORMATION: Amino acid sequence of Marmoset NOGO-A fragment US-11-177-648-113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
46.5%; Score 46; DB 7; Length 247;
Best Local Similarity 69.2%; Pred. No. 9;
Matches 4; Indels
Matches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match

BO.8*; Score 80; DB.7; I Best Local Similarity 72.2*; Pred. No. 6.2e-05; Matches 13; Conservative 4; Mismatches 1.
TITLE OF INVENTION: IMMUNCGLOBULINS
TITLE OF INVENTION: IMMUNCGLOBULINS
TITLE OF INVENTION: IMMUNCGLOBULINS
CURRENT APPLICATION NUMBER: US/11/177,648
CURRENT FILING DATE: 2005-07-06
PRIOR PLICATION NUMBER: PCT/GB2004/005325
PRIOR PILING DATE: 2004-12-22
PRIOR PILING DATE: 2003-12-22
PRIOR PILING DATE: 2003-12-22
PRIOR PILING DATE: 2003-12-22
PRIOR PILING DATE: 2003-12-22
NUMBER OF SEQ ID NOS: 113
SOFTWARE: FastSEQ for Windows Version 4.0
SEG ID NO 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: misc_feature
| LOCATION: (1)...(241)
| CTHER INFORMATION: Ceres Seq. ID no. 2996848
| NG-11-096-S68A-28475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 8
US-11-096-568A-28474
Sequence 28474, Application US/11096568A
Publication No. US20060048240A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Arabidopsis thaliana
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 SYDSIKLEPENPPYEEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5 IKLEPENPPPYER 17
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40 IHLWPENPPGYRE 52
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## Sequence A Application US/10519447

## Publication No. US20050244829A1

## APPLICANT: Maketo OGINO

## APPLICANT: Maketo OGINO

## APPLICANT: Maketo OGINO

## APPLICANT: Hideki Endol

## TITLE OF INVENTION WHERE: US/10/519,447

## CURRENT APPLICATION NUMBER: US/10/519,447

## CURRENT PILING DATE: 2004-12-30

## PRIOR PILING DATE: 2003-07-01

## PRIOR PILING DATE: 2003-07-01

## PRIOR PILING DATE: 2002-07-02

## PRIOR PILING DATE: 2002-07-03

## PRIOR PILING DATE: 2002-07-03

## PRIOR PILING DATE: 2002-07-03

## PRIOR PILING DATE: 2002-07-02

## PRIOR PILING DATE: 2002-07-03

## PRIOR PILING: PILI
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APPLICANT: Alexandrov, Nickolai et al.

TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides

TITLE OF INVENTION: Thespy
FILE REFERENCE: 2750-1592PUS2

CURRENT APPLICATION NUMBER: US/11/096,568A

CURRENT FILING DATE: 2005-04-01

SEQ ID NOS: 34471

LENGTH: 340
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Pred. No. 13;
0; Mismatches 4
                                                                                                                                                                                                                                                                                                                                                Score 46; DB 7;
Pred. No. 12;
0; Mismatches
                                                                             FRATURE:
NAMEZ/KRY: misc_feature
LOCATION: (1). (329)
OTHER INFORMATION: Ceres Seq. ID no. 2996847
US-11-096-568A-28474
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 9
US-11-096-568A-28473
US-11-096-568A
Sequence 28473, Application US/11096568A
Publication No. US20060048240A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Arabidopsis thallana
TYPE: PRT
ORGANISM: Arabidopsis thaliana
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Best Local Similarity 69.2%;
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 69.2%;
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        122 IHLWPENPPGYRE 134
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US-11-06-568A-28287
US-11-06-568A-28287
US-11-06-568A-28287
Sequence 28287, Application US/11096568A
Sequence 28287, Application US/11096568A
Sequence 28287, Application No. US20060048240A1
GENERAL INFORMATION:
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides E.
TITLE OF INVENTION: Therby
TITLE REFRENCE: 2750-1592PUS2
CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT FILING DATE: 2005-04-01
NUMBER OF SEQ ID NOS: 34471
SEQ ID NO 28287
LENGTH: 361
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| Sequence 28286, Application No. US/2006048240A1
| CHENERAL INFORMATION:
| APPLICANT: ALEXANDRICANT: ALEXANDRICANT: ALEXANDRICANT: ALEXANDRICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICATION UNMBER: US/11/096,568A
| CHERRY TRIANG DATE: 2005-04-01
| NUMBER OF SEQ ID NOS: 34471
| SEQ ID NO 28286
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PRIOR FILING DATE: 2002-07-01
PRIOR PILING DATE: 2002-07-01
PRIOR APPLICATION NUMBER: 60/393,233
PRIOR PILING DATE: 2002-07-01
PRIOR APPLICATION NUMBER: 60/393,233
PRIOR PILING DATE: 2002-07-01
PRIOR PLING DATE: 2003-07-01
PRIOR PLING DATE: 2003-07
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44.4%; Score 44; DB 7; Length 361;
Best Local Similarity 57.1%; Pred. No. 27;
Matches 8; Conservative 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 487;
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Pred. No. 27;
1; Mismatches 3
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LOCATION: (1).(361)
OTHER INFORMATION: Ceres Seq. ID no. 2711462
US-11-096-568A-28287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 66.7%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |:| | ||:||
314 SVKATCEMPPPFEE 327
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
US-11-249-847-582
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US-11-096-568A-28286
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US-11-106-674-1
; Sequence 1, Application US/11106674
; Publication No. US2005028958A1
; Publication No. US2005028958A1
; GENERAL INFORMATION:
; APPLICANT: Aventis Pharma S.A.
; TITLE OF INVENTION: CONDITIONAL INHIBITION
; TITLE OF INVENTION: CONDITIONAL INHIBITION
; TITLE OF INVENTION: UNMER: US/10/2
; TITLE OF INVENTION: UNMER: US/09/931,007
; TITLE OF INVENTION: UNMER: US/09/931,007
; FILE REFERENCE: 0300-04-15
; CURRENT PILLING DATE: 2001-04-15
; PRIOR PLILING DATE: 2000-04-18
; PRIOR PLILING DATE: 2000-08-18
; PRIOR PLILING DATE: 2000-08-18
; PRIOR PLILING DATE: 2000-10-11
; NUMBER: OF SEQ ID NOS: 11
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 1
; LENGTH: 688
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US-11-249-847-582

US-11-249-847-582

Publication No. US20060035270A1

GENERAL INFORMATION:

APPLICANT: Here, Frank D.

APPLICANT: Chan, John W.

APPLICANT: Chan, John W.

APPLICANT: Chan, Stephen J.

TITLE OF INVENTION: UNIQUE RECOGNITION SEQUENCES AND METHODS OF USE THEREOF IN TITLE OF INVENTION: PROTEIN ANALYSIS

FILE REFERENCE: EPTH-POS-001

CURRENT APPLICATION UNHERE: US/11/249,847

CURRENT FILING DATE: 2005-10-12

PRIOR APPLICATION NUMBER: 60/339,137

PRIOR APPLICATION NUMBER: 60/339,137

PRIOR APPLICATION NUMBER: 60/333,137

PRIOR PILING DATE: 2002-07-01

SPRIOR PILING DATE: 2002-07-01

PRIOR PILING DATE: 2002-07-01
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1.0CATION: (1)..(688)
. OTHER INPORMATION: Sequence for PPAR-gamma-2.gamma-2, a modified human PPAR-gamma
. OTHER INPORMATION: eroxisome Proliferator Activated Receptor-gamma)
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46.5%; Score 46; DB 7; Length 688;
Best Local Similarity 57.1%; Pred. No. 27;
Matches 8; Conservative 3; Mismatches 3; Indels
                                                 Query Match

46.5%; Score 46; DB 6; Length 505;
Best Local Similarity 57.1%; Pred. No. 20;
Matches 8; Conservative 3; Mismatches 3; Indels
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105 AIKVEPASPPYYSE 118
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RESULT 15
US-11-096-568A-28285
US-11-096-568A-28285
Sequence 28285, Application US/11096568A
Publication No. US20060048240A1
GENERAL INFORMATION:
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
TITLE OF INVENTION: 120-1592PUS2
CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT FILING DATE: 2005-04-01
NUMBER OF SEQ ID NOS: 34471
SEQ ID NO 28285
LENGTH: 413
TYPE: PRT
ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                               Query Match

44.4%; Score 44; DB 7; Length 363;
Best Local Similarity 57.1%; Pred. No. 27;
Matches 8; Conservative 2; Mismatches 4; Indels
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44.4%; Score 44; DB 7; Length 413;
Best Local Similarity 57.1%; Pred. No. 31;
Matches 8; Conservative 2; Mismatches 4; Indels
JENGTH: 363
TYPE: PRT
ORGANISM: Arabidopsis thaliana
FEATURE:
NAME/KEY: misc_feature
JOTHER: INFORMATION: Ceres Seq. ID no. 2711461
US-11-096-568A-28286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FEATURE: | NAME/KEY: misc feature | NAME/KEY: misc feature | COCATION: (1). [413) | COCATION: (1). [413) | COTHER INFORMATION: Ceres Seq. ID no. 2711460 US-11-096-568A-28285
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Job time : 24 secs
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316 SVKATCEMPPFEE 329
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Sequence 5, Appli Sequence 12895, A Sequence 20, Appl Sequence 1342, Ap Sequence 6588, Ap Sequence 4, Appl Sequence 2, Appli Sequence 34561, A Sequence 297, App Sequence 297, Appli Sequence 27, Appli Sequence 27, Appli Sequence 27, Appli

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US-09-293-273-5
US-09-291A-38895
US-09-293-274-20
US-09-538-092-1342
US-09-949-016-6588
US-09-949-016-6588
US-09-949-016-6588
US-09-556A-4
US-08-379-556A-4
US-08-379-556A-4
US-08-379-556A-4
US-09-270-767-34561
US-09-270-767-345778
US-09-556-877-297
US-09-558-819-297
US-09-512-363-244
US-09-712-363-244
US-09-316-946B-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: PRT
; ORGANISM: Guayule
US-09-537-357-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                             March 23, 2006, 16:48:43 ; Search time 47 Seconds (Without alignmente) 31.663 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Description
     GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Issued_Patents_AA:*
1. /cgn2_6/ptcdata/1/iaa/5_COMB.pep:*
22. /cgn2_6/ptcdata/1/iaa/6_COMB.pep:*
33. /cgn2_6/ptcdata/1/iaa/H_COMB.pep:*
4. /cgn2_6/ptcdata/1/iaa/PCTUS_COMB.pep:*
5. /cgn2_6/ptcdata/1/iaa/RE_COMB.pep:*
6. /cgn2_6/ptcdata/1/iaa/RE_COMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                   572060 seqs, 82675679 residues
                                                                                                                                                                                                                US-09-830-972A-2_COPY_623_640
99
1 SYDSIKLEPENPPPYEEA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                       OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                             Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                Title:
Perfect sc
Sequence:
                                                                                                                               Run on:
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RESULT 2
US-08-464-200-2
Sequence 2, Application US/08484200
Sequence 2, Application US/08484200
Fatent No. S861274
GENERAL INFORMATION:
CENTRY, RAIBMENT CONTAINS, ROWALD M.
APPLICANT: FORMAN, BARRY M.
APPLICANT: KLIEWER, STEALTA S.
TITLE OF INVENTION: NOVEL MEMBERS OF THE STEROID/THYROID
TITLE OF INVENTION: SUPERFAMILY AND USES THEREFOR
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: PRETTY, SCHROEDER, BRUEGGEMANN & CLARK
STREET: 444 SOUTH FLOWER STREET, SUITE 2000
COUNTRY: USA
COUNTRY: USA
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
US-09-537-357-54
US-09-537-357-54
US-09-537-357-54
US-09-537-357-54
Sequence 54, Application US/09537357
Setent No. 6271018
GENERAL INFORMATION:
APPLICANT: Alan Brash
TITLE OF INVENTION: MUSKWELON (CUCUMIS WELO) HYDROPEROXIDE
TITLE OF INVENTION: LYABE AND USES THEREOF
TITLE REPREMENCE: 06027.0002
CURRENT APPLICATION NUMBER: US/09/537,357
CURRENT APPLICATION NUMBER: US/09/537,357
SURVERS OF SEQ ID NOS: 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 50.5%; Score 50; DB 2; Length 405; Best Local Similarity 47.1%; Pred. No. 15; Matches 8; Conservative 5; Mismatches 4; Indels
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RESULT 5
US-08-980-115-10
US-08-980-115-10

Sequence 10, Application US/08980115

Sequence No. 626622

GENERAL INFORMATION:

APPLICANT: Scanlan, Thomas S.

APPLICANT: Fletterick, Robert J.

APPLICANT: Manner, Peter J.

APPLICANT: Aprlicant Application Andrew R.

APPLICANT: Shiau, Andrew R.

APPLICANT: Shiau, Andrew R.

APPLICANT: Shiau, Andrew R.

APPLICANT: Shiau, Andrew R.

CURRENT APPLICANTON: NUMBER: US/08/980,115

CURRENT APPLICATION NUMBER: US/08/740,870

EARLIER APPLICATION DATE: 1997-11-26

EARLIER FILLING DATE: 1996-12-13
APPLICANT: Apriletti, James W
APPLICANT: West, Brian
TITES OF INVENTION: Nuclear Receptor Ligands and Ligand
TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand
TITLE OF INVENTION: Nuclear Receptor Ligands
ADDRESSEE: Cooley Godward
STREET: Five Palo Alto
GURRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward
CITY: Palo Alto
CONTY: Dalo Alto
CONTY: Dalo Alto
CONTY: 108A
CONTY: 
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Pred. No. 70;
3; Mismatches 3; Indels
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Best Local Similarity 57.1<sup>3</sup>
Matches 8; Conservative
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MOLECULE TYPE: protein
US-08-764-870-10
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46.5%; Score 46; DB 2; Length 475;
Best Local Similarity 57.1%; Pred. No. 70;
Matches 8; Conservative 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
46.5%; Score 46; DB 1; Length 475;
Best Local Similarity 57.1%; Pred. No. 70;
Matches 8; Conservative 3; Mismatches 3; Indels
                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PR-CADS/MS-DOS
SOFTWARE: PR-CADS/MS-DOS
SOFTWARE: PR-CADS/MS-DOS
FILING DATE: US/08/484,200
FILING DATE: US/08/48
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APPLICANT: Baxter, John D
APPLICANT: Fletterick, Robert J
APPLICANT: Wagner, Richard L
APPLICANT: Kushner, Peter J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4 SIKLEPENPPPYEE 17
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US-09-387-549C.

| Sequence 2, Application US/09587549C
| Sequence 2, Application US/09587549C
| Patent No. 6815168
| GENERAL INFORMATION:
| APPLICANT: Greene, Marianne E. APPLICANT: Greene, Marianne E. APPLICANT: Greene, Marianne E. TITLE OF INVENTION: Compositions and Methods
| SOFTWARE: PATENTIAL ATS |
| TITLE OF INVENTION: Compositions and Methods
| SOFTWARE: PATENTIAL ATS |
| TITLE OF INVENTION: Compositions and Methods
| TITLE OF INVENTION: Compositions and Methods
| SOFTWARE: PATENTIAL ATS |
| TITLE OF INVENTION: Compositions and Methods |
| TITLE OF INVENTION: Compositions and Methods |
| SOFTWARE: PATENTIAL ATS |
| TITLE OF INVENTION: COMPOSITION: COMPOSITION AND ASSETT ATS |
| CORGANISM: Home sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3; Indels
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GENERALI INFORMATION:

APPLICANT: FORMAN, BELTY

APPLICANT: FORMAN, BELTY

TITLE OF INVENTION: RECEPTOR-GAMMA, AND METHODS FOR THE US

TITLE OF INVENTION: RECEPTOR-GAMMA, AND METHODS FOR THE US

TITLE OF INVENTION: RECEPTOR-GAMMA, AND METHODS FOR THE US

FILE REPERENCE: SALK1470

CURRENT APPLICATION NUMBER: US/09/155,252A

CURRENT FILING DATE: 1996-04-18

NUMBER: OF SEQ ID NOS: 7

SOFTWARE: PREDETING DATE: 1996-04-18

NUMBER: OF SEQ ID NOS: 7

SOFTWARE: PREDETING DATE: 1996-04-18

TYPE: PR.

TYPE: PR.

TYPE: PR.

TYPE: PR.

GOGGANISM: MUS MUSCULUS

US-09-155-252A-2
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46.5%; Score 46; DB 2;
Best Local Similarity 57.1%; Pred. No. 70;
Matches 9; Conservative 3; Mismatches 3
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Pred. No. 70;
3; Mismatches
                                                                                                                                                                                                                                                           Score 46; DB 2;
Pred. No. 70;
3; Mismatches
  PRIOR APPLICATION NUMBER: US 09/955,302
PRIOR PLILING DATE: 1999-02-22
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn version 3.0
SOFTWARE: PatentIn version 3.0
SERIOI NO 2
LENGTH: 475
TYPE: PRT
ORGANISM: MUM MUMCULUS
US-10-142-373-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/09155252A Patent No. 6830882 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
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Best Local Similarity 57.1%;
Matches 8; Conservative
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75 AIKVEPASPPYYSE 88
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75 AIKVEPASPPYYSE 88
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Sequence 2, Application US/09788070
Factor No. 6413994
GENERAL INFORMATION:
FAPLICANT: EVONS, Ronald
APPLICANT: EVONS, RONALD
APPLICANTION: MUMBER: US 09/955,302
FILE REFERENCE: SALK1480-2
CURRENT APPLICATION NUMBER: US 09/955,302
FRIOR PELING DATE: 1999-02-22
NUMBER OF SEQ ID NOS: 7
SOPTWARE: Patentin version 3.0
SEQ ID NO 2
LENGTH: 475
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Pred. No. 70;
3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 46; DB 2; Length 475;
Pred. No. 70;
3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                           NAME/KEY: DOMAIN
J. LOCATION: (202)..(475)
CTHER INFORMATION: minimal ligand binding domain
US-08-980-115-10
EARLIER APPLICATION NUMBER: 60/008,606
EARLIER FILING DATE: 1995-12-14
EARLIER PILING DATE: 1995-12-13
EARLIER FILING DATE: 1995-12-13
EARLIER FILING DATE: 1995-12-13
EARLIER FILING DATE: 1995-12-13
NUMBER OF SEQ ID NOS: 17
SEQ TRARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
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Best Local Similarity 57.1%;
Matches 8; Conservative
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75 AIKVEPASPPYYSE 88
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                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Mus Musculus
US-09-788-070-2
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RESULT 12

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Best Local Similarity 57.1%; Pred. No. 71;
Matches 8; Conservative 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 57.1%; Pred. No. 71;
Matches 8; Conservative 3; Mismatches 3; Indels
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
ODERATING SYSTEM: Power Macintosh 7500/100
SOFTWARE: Microsoft Word 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/128,142
FILING DATE: 03-Aug-1998
CLASSIFICATION NUMBER: 08/044,007
FILING DATE: CURKNOWN-
ATTORNEY/AGENT INFORMATION:
NAME: TIABLE 10 3.2,633
REGISTRATION NUMBER: 32,633
REGISTRATION OF 304 594 594 594
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LEMOTH: 477 amino acide
STRANDENNES: single
STRANDENNES: single
TYPE: amino acid
STRANDENNES: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 13
US-09-765-111A-27
i, Sequence 27, Application US/09765111A
; Patent No. 6723506
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 SIKLEPENPPPYEE 17
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Sequence 2, Application US/09128142

Patent No. 62945519

GENERAL INFORMATION:

ANTIPROLIFERATIVE AGENTS ASSOCIATED WITH

TITLE OF INVENTION: ANTIPROLIFERATIVE AGENTS ASSOCIATED WITH

TITLE OF INVENTION: ANTIPROLIFERATIVE AGENTS ASSOCIATED WITH

TITLE OF INVENTION: ANTIPROLIFERATIOR ACTIVATED RECEPTORS GAMMA1 AND GAMM

SEROXISOME
                                                                                                                                                                                                                                                                                                                                                                  RESULT 10

RESULT 10

RESULT 10

Sequence 2, Application US/08134557D

Fatent No. 6200802

Better No. 6200802

Fatent No. 6200802

FAPILICANT: Greene, Marianne B.

APPLICANT: Greene, Marianne B.

APPLICANT: Blumberg, Bruce

TITLE OF INVENTION: Receptor Gamma: Compositions and Methods

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS: 8

CORRESPONDENCE ADDRESS: 8

CORRESPONDENCE NORES, 8

CORRESPONDENCE NORES, 9

COMPUTER: Calcago

STREET: 2 Prudential Plaza, Suite 4700 180 N. Stetson

CITY: Chicago

CITY: Chicago

STREET: 2 Prudential Plaza, Suite 4700 180 N. Stetson

CITY: Chicago

CITY: Chicago

CITY: Chicago

STREET: 1 Propy disk

COMPUTER: IBM PC Compatible

COMPUTER: IBM PC Compatible

COMPUTER: IBM PC Compatible

COMPUTER: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

CURRENT APPLICATION NUMBER: ARCH:098

FILING DATE:

CLASSIFICATION NUMBER: ASCH:098

FELEPROMINICATION INPORMATION:

TELEPROMINICATION INPORMATION:

TELEPRO
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Pred. No. 71;
3; Mismatches 3; Indels
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CORRESPONDENCE ADDRESSED: 3ack L. Tribble
STREET: 126 E. Lincoln Ave., P.O. Box 2000
CITY: Rahway
STRTE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
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ZIP: 07065-0907
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 SIKLEPENPPPYEE 17
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75 AIKVEPASPPYYSE 88
                                                                                                                                                                                                               4 SIKLEPENPPPYEE 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 11
US-09-128-142-2
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Sequence 16, Application US/09765111A

PREDATA NO. 6723506

GENERAL INFORMATION:
APPLICANT: Fletcher, Jonathan A.
APLICANT: Fletcher, Jonathan A.
TITLE OF INVENTION: PAX8-PPARGamma NUCLEIC ACID MOLECULES
FURRENT APPLICATION NUMBER: US 60/177,109
PRIOR APPLICATION NUMBER: US 60/177,109
PRIOR PELING DATE: 2000-01-20
PRIOR PELING DATE: 2000-01-20
PRIOR PELING DATE: 2000-08-14
NUMBER: PARGE TO NUMBER: US 60/225,079
PRIOR PILING DATE: 2000-08-14
SOFTWARE FREE PREUES FOR Windows Version 3.0
  Score 46; DB 2; Length 505;
Pred. No. 75;
3; Mismatches 3; Indels
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75;
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     Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
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105 AIKVEPASPPYYSE 118
                                                                                           4 SIKLEPENPPPYEE 17
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Best Local Similarity 57.13
Matches 8; Conservative
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CRCANISM: Homo Sapiens
US-09-765-111A-16
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Patent No. 6294529
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Smith, Roy G.
TITLE OF INVENTION: PRECXISOME PROLIFERATIVE AGENTS ASSOCIATED WITH
APPLICANT: Fletcher, Jonathan A.

HAPPLICANT: Kroll, Todd G.

TITLE OF INVENTION: PAX8-PPARGamma NUCLEIC ACID MOLECULES
TITLE OF INVENTION: PAX8-PPARGamma NUCLEIC ACID MOLECULES
TITLE OF INVENTION: AND POLYFEPTIDES AND USES THEREOF
FILE REFERENCE: BOOGOL/179,6/REP/MAT
CURRENT APPLICATION NUMBER: US 60/775,111A
FRIOR APPLICATION NUMBER: US 60/177,109
FRIOR PELLING DATE: 2000-01-20
FRIOR FILLING DATE: 2000-01-20
FRIOR FILLING DATE: 2000-01-40
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FREESEQ for Windows Version 3.0
LENGTH: 478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSEE: Jack L. Tribble
STREET: 126 E. Lincoln Ave., P.O. Box 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 07065-0907
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
COMPATING SYSTEM: POWER Macintosh 75
SOFTWARE: Microsoft Word 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/99/128,142
FILING DATE: 03-Aug-1998
CLASSIPICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Tribble, Jack L.
REGISTRATION NUMBER: 32,633
REPERENCE/DOCKET NUMBER: «Unknown>
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 505 anino acide
FYPE: anino acid
STRANDEDNESS: single
TOPOLOGY: lineary
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-128-142-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/844,007
FILING DATE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
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STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 SIKLEPENPPPYEE 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: US
                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-765-111A-27
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US-09-128-142-4
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